

**No Title**

**No SubTitle**

**Version No Version**

**No Date**

## Table of Contents

Table of Contents	2
HIMSS Immunization Integration Program CDC Modular Test Plan v11	7
Test Story	7
1. High Level Description of Capabilities and Functions Included in Essentials Module	8
Test Story	8
1.1. Crosswalk for patient by patient workflow	9
Test Story	9
2. 2.0.0 Test preparation - data load	10
Test Story	10
2.1. 2.1.0 Facilities	11
Test Story	11
2.2. 2.2.0 People	13
Test Story	13
2.2.1. Patient Pre-load: Lance Gaige Duncan (LGD)	14
Test Story	14
2.2.2. Patient Pre-load: Alexandria Jacqueline Montoya (AJM)	16
Test Story	16
2.2.3. Patient Pre-load: Selma Nadia McKay (SNM)	19
Test Story	19
2.2.4. Patient Pre-load: Deborah Charlotte McKay (DCM)	21
Test Story	21
2.2.5. Patient Pre-load: Franklin Mayhew Nesbitt (FMN)	23
Test Story	23
2.2.6. Patient Pre-load: James John Smith (JJS)	24
Test Story	24
2.2.7. Patient Pre-load: Finley Ira Nash (FIN)	25
Test Story	25
2.2.8. Practitioner Pre-load: Daniela Jennifer Wyatt	26
Test Story	26
2.2.9. Practitioner Pre-load: Ramon Michael Bradshaw	27
Test Story	27
2.3. 2.3.0 Vaccine Inventory	28
Test Story	28
2.4. 2.4.0 - Configure system to meet local IIS reporting requirements	34
Test Story	34
2.4.1. 2.4.1 Add new vaccine program eligibility codes (e.g., VFC/317 vaccine programs). Supports test steps under function 7.0.0	35
Test Story	35
3. 3.0.0 - Capability: Care Provision and Documentation	37
Test Story	37
3.1. LGD 3.1.0 - Select patient	38
Test Story	38
3.1.1. 3.1.1 Not-evaluated: Select patient	39
Test Story	39
3.2. LGD 3.2.0 - Enter patient-provided immunization-related information	40
Test Story	40
3.2.1. 3.2.1 - Enter patient-provided immunization-related information	41
Test Story	41
3.3. LGD 3.3.0 - Display patient's updated immunization history	43
Test Story	43
3.3.1. 3.3.1 - Display patient's updated immunization history	44
Test Story	44
3.4. LGD 3.4.0 - Display patient's immunization local system (non-IIS) forecast	45
Test Story	45
3.4.1. 3.4.1 - Display patient's immunization forecast	46
Test Story	46
3.5. LGD 3.5.0 - Enter vaccination order	48
Test Story	48
3.5.1. 3.5.1 - Enter vaccination order	49
Test Story	49
3.6. LGD 3.6.0 - Scan 2D barcodes found on vaccine vials and syringes to input the vaccine information	52
Test Story	52
3.6.1. 3.6.1 - Scan 2D barcodes found on vaccine vials and syringes to input the vaccine information	53
Test Story	53
3.7. LGD 3.7.0 - Record vaccine administration via manual entry (not scanned)	55
Test Story	55
3.7.1. 3.7.1 - Record vaccine administration via manual entry (not scanned)	56

Test Story	56
3.8. LGD 3.8.0 - Print immunization record	58
Test Story	58
3.8.1. 3.8.1 - Print immunization record	59
Test Story	59
3.9. LGD 3.9.0 - Display local immunization forecast (post administration)	61
Test Story	61
3.9.1. 3.9.1 - Display local immunization forecast (post administration)	62
Test Story	62
3.10. AJM 3.10.0 - Vaccine dose expiration is visually apparent to administering practitioner	64
Test Story	64
3.10.1. 3.10.1 - Not evaluated: Select Patient	65
Test Story	65
3.10.2. 3.10.2 - Not evaluated: Order vaccine	66
Test Story	66
3.10.3. 3.10.3 - Make vaccine dose expiration date prominently available to user	68
Test Story	68
3.11. AJM 3.11.0 - Patient vaccine program eligibility does not match vaccine funding	69
Test Story	69
3.11.1. 3.11.1 - Inform administering user that the patient's vaccine program eligibility does not match vaccine funding source	70
Test Story	70
3.12. SNM 3.12.0 - Record adverse events	73
Test Story	73
3.12.1. 3.12.1 Not evaluated: Select Patient	74
Test Story	74
3.12.2. 3.12.2 - Enable local capture of structured data regarding adverse events	76
Test Story	76
3.13. SNM 3.13.0 - Inform ordering user of previous adverse event	78
Test Story	78
3.13.1. 3.13.1 - Inform users ordering vaccine (procedures) to previous adverse events for a specific patient	79
Test Story	79
3.13.2. 3.13.2 - Inform users administering vaccine to previous adverse events for a specific patient	81
Test Story	81
3.14. DCM 3.14.0 - Record vaccine administration refusal by patient or caregiver	82
Test Story	82
3.14.1. 3.14.1 Not evaluated: Select Patient for refused vaccine	83
Test Story	83
3.14.2. 3.14.2 Not evaluated : Practitioner enters order for Hep A vaccine that will later be refused	84
Test Story	84
3.14.3. 3.14.3 - Not evaluated: Record vaccine administration that was refusal by patient or caregiver	86
Test Story	86
3.14.4. 3.14.4 - Record vaccine refusal by patient or caregiver	88
Test Story	88
3.15. 3.15.0 - Produce cohort reports	90
Test Story	90
3.15.1. 3.15.1 - Attestation: Cohort Report Requirements	91
Test Story	91
4. 4.0.0 - Capability: Query, Response, and Reconciliation	92
Test Story	92
4.1. SNM 4.1.0 - Display Local Forecast	93
Test Story	93
4.1.1. 4.1.1 Pre-test step, display local forecast	94
Test Story	94
4.2. SNM 4.2.0 - Query sent to the IIS	95
Test Story	95
4.2.1. 4.2.1 - Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS	96
Test Story	96
Message Contents	97
Test Data Specification	98
4.2.2. 4.2.2 - Receive and process a patient's evaluated immunization history and vaccine forecast from an IIS	100
Test Story	100
Message Contents	101
Test Data Specification	214
Juror Document	214
DISPLAY VERIFICATION	215
4.3. SNM 4.3.0 - Compare IIS-provided information	217
Test Story	217
4.3.1. 4.3.1 - Reconcile and import IIS history and forecast response	218
Test Story	218
4.4. SNM 4.4.0 - Display SUT vaccination history, includes user-reconciled IIS-provided information	220
Test Story	220

4.4.1. 4.4.1 - Display SUT vaccination history, includes user-reconciled IIS-provided information	221
Test Story	221
4.5. SNM 4.5.0 - Re-evaluate patient's immunization forecast	222
Test Story	222
4.5.1. 4.5.1 - Re-evaluate patient's immunization forecast after reconciling IIS-provided vaccine history	223
Test Story	223
4.6. 4.6.0 - Non Match RSP	225
Test Story	225
4.6.1. JJS 4.6.1 Not Evaluated-Select Patient: Receive and process outcomes from IIS noting too many matches	226
Test Story	226
4.6.2. JJS 4.6.2 Not evaluated: Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS	228
Test Story	228
Message Contents	228
Test Data Specification	230
4.6.3. JJS 4.6.3 - Receive and process outcomes from IIS noting too many clients match the criteria sent query-response	232
Test Story	232
Message Contents	232
Test Data Specification	234
Juror Document	235
DISPLAY VERIFICATION	235
4.6.4. FMN 4.6.4 Not Evaluated-Select Patient: Receive and process outcomes from IIS noting non match outcomes	236
Test Story	236
4.6.5. FMN 4.6.5 Not evaluated: Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS	238
Test Story	238
Message Contents	238
Test Data Specification	240
4.6.6. FMN 4.6.6 - Receive and process outcomes from IIS noting no clients match the criteria sent within the query from the SUT	242
Test Story	242
Message Contents	242
Test Data Specification	244
Juror Document	245
DISPLAY VERIFICATION	245
5. 5.0.0 - Capability: Transmission & Acknowledgment	246
Test Story	246
5.1. LGD 5.1.0 - Transmit newly recorded immunization records to IIS	247
Test Story	247
5.1.1. 5.1.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	248
Test Story	248
Message Contents	251
Test Data Specification	277
5.1.2. 5.2.1 - Receive and process acknowledgment messages from IIS	280
Test Story	280
Message Contents	280
Test Data Specification	281
5.1.3. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	282
Test Story	282
Message Contents	285
Test Data Specification	311
5.1.4. 5.2.2 - Receive and process acknowledgment messages from IIS returned with an error (E)	314
Test Story	314
Message Contents	314
Test Data Specification	316
5.1.5. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	317
Test Story	317
Message Contents	320
Test Data Specification	346
5.1.6. 5.2.3 - Receive and process acknowledgment messages from IIS returned with an warning (W)	349
Test Story	349
Message Contents	349
Test Data Specification	351
5.1.7. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	352
Test Story	352
Message Contents	355
Test Data Specification	381
5.1.8. 5.2.4 - Receive and process acknowledgment messages from IIS returned with an informational warning (I)	384
Test Story	384
Message Contents	384
Test Data Specification	386
5.1.9. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	387
Test Story	387
Message Contents	390
Test Data Specification	416

5.1.10. 5.2.5 - Receive and process acknowledgment messages from IIS returned with multiple warnings (W)	419
Test Story	419
Message Contents	419
Test Data Specification	421
5.1.11. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS	422
Test Story	422
Message Contents	425
Test Data Specification	451
5.1.12. 5.2.6 - Receive and process acknowledgment messages from IIS returned with an error (E)	454
Test Story	454
Message Contents	454
Test Data Specification	456
5.2. LGD 5.3.0 - Update Vaccine Record	457
Test Story	457
5.2.1. 5.3.1 - Document update to vaccine record with correct lot number manually keyed within the SUT	458
Test Story	458
5.2.2. 5.3.2 - Transmit update VXU to newly administered vaccine (previously sent) with correct lot number manually keyed, documented within the SUT to the IIS	460
Test Story	460
Message Contents	462
Test Data Specification	471
5.2.3. 5.3.3 - Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	473
Test Story	473
Message Contents	473
Test Data Specification	474
5.3. LGD 5.4.0 - Transmit newly recorded historical immunization records to IIS	475
Test Story	475
5.3.1. 5.4.1 - Transmit newly recorded historical vaccine documented within the SUT to the IIS	476
Test Story	476
Message Contents	477
Test Data Specification	483
5.3.2. 5.4.2 - Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	486
Test Story	486
Message Contents	486
Test Data Specification	487
5.4. DCM 5.5.0 - Transmit Hep A and Hep A Delete	488
Test Story	488
5.4.1. 5.5.1 - Transmit VXU for newly documented as administered, Hep A vaccination that was actually refused	489
Test Story	489
Message Contents	491
Test Data Specification	499
5.4.2. 5.5.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	500
Test Story	500
Message Contents	500
Test Data Specification	501
5.4.3. 5.5.3 - Transmit delete VXU for newly documented as administered, Hep A vaccination that was actually refused	502
Test Story	502
Message Contents	503
Test Data Specification	512
5.4.4. 5.5.4 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	513
Test Story	513
Message Contents	513
Test Data Specification	514
5.5. DCM 5.6.0 - Transmit Hep A Refusal	515
Test Story	515
5.5.1. 5.6.1 Transmit refusal for Hep A vaccination documented within the SUT to the IIS. Supports step 3.14.4 (Record Refusal)	516
Test Story	516
Message Contents	518
Test Data Specification	528
5.5.2. 5.6.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	530
Test Story	530
Message Contents	530
Test Data Specification	531
5.6. AJM 5.7.0 - Transmit patient protection status	532
Test Story	532
5.6.1. 5.7.1 Transmit patient's protection indicator for a patient without consent (no sharing of patient data) to IIS	533

Test Story	533
Message Contents	534
Test Data Specification	543
5.6.2. 5.7.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	544
Test Story	544
Message Contents	544
Test Data Specification	545
6. 6.0.0 - Capability: Patient access	546
Test Story	546
6.1. 6.1.0 - Provide patient or a user on the patient's behalf electronic access to patient's immunization record	547
Test Story	547
6.1.1. 6.1.1 - Attests that patients or their caregivers can electronically access a patient's immunization record	548
Test Story	548
7. 7.0.0 - Capability: Clinical Configuration	549
Test Story	549
7.1. FIN 7.1.0 - Add New Vaccine Codes	550
Test Story	550
7.1.1. 7.1.1 - Accommodate updates to vaccine code sets (vaccine codes (CVX), National Drug Codes (NDC), and Vaccine Information Statement codes (VIS)) when released from CDC	551
Test Story	551
7.1.2. 7.1.2 Not evaluated-Supports 7.1.1 Add New Vaccine Codes. Enter vaccine inventory for newly developed vaccine	552
Test Story	552
7.1.3. 7.1.3 Not evaluated-Supports 7.1.1 Add New Vaccine Codes. Order new vaccine for patient administration	553
Test Story	553
7.1.4. 7.1.4 Record vaccine administration for new vaccine product with new vaccine program eligibility code	555
Test Story	555
7.1.5. 7.1.5 - Transmit new vaccine code administered with new vaccine program eligibility code documented within the SUT to the IIS	557
Test Story	557
Message Contents	559
Test Data Specification	573
7.1.6. 7.1.6 - Receive acknowledgment messages from an IIS during the course of processing the patient immunization record	575
Test Story	575
Message Contents	575
Test Data Specification	576
7.2. 7.2.0 - Clinical Configuration, Updates immunization schedule	577
Test Story	577
7.2.1. 7.2.1 - Attests that the immunization schedule is updated regularly to reflect changes in ACIP immunization recommendations	578
Test Story	578
8. 8.0.0 - Capability: SOAP Testing	579
Test Story	579
9. 9.0.0 - Capability: Basic data quality checks	580
Test Story	580
9.1. Yuiko Kami Nakano 9.1.0 - Basic data quality checks	581
Test Story	581
9.1.1. 9.1.1 Attestation: Alert a user when data entered indicates the patient is born in the future (DOB (PID-7) after TODAY)	582
Test Story	582
9.1.2. 9.1.2 Attestation: Alert a user when a date of birth (PID-30) is entered which indicates a patient is more than 150 years of age (TODAY-DOB > 150 Years)	584
Test Story	584
9.1.3. 9.1.3 - Alert a user when data entered indicates the patient received a vaccine before birth (DOD (PID-30) before DOB (PID-7))	585
Test Story	585

# **HIMSS Immunization Integration Program CDC Modular Test Plan v11**

Test Story

# 1. High Level Description of Capabilities and Functions Included in Essentials Module

## Test Story

### Description

The current IIP test plan includes eight capabilities. Each of these capabilities describes workflow-related concepts that group together common testable actions. The change from prior versions of the IIP test plan provides greater clarity regarding the intent and purpose of each grouping. Current capabilities include:

- Test Preparation – Data Load and PH Configuration
  - Facilities
  - People
  - Vaccine Inventory
  - Public Health Configuration
- Care Provision and Documentation
  - Select Patients
  - Enter patient provided immunization related information
  - Display patient's updated immunization local system (non-IIS) forecast
  - Enter vaccination order
  - Record vaccines with 2D barcode scanner and manually (no barcode scanner)
  - Produce printable version of patient's immunization record
  - Display a patient's local immunization forecast after adding vaccine administration events to the immunization history
  - Vaccine dose expiration is visually apparent to administering practitioner
  - Identify and record publicly provided-vaccine program eligibility
  - Record adverse events
  - Inform users of risks due to previous adverse events within the ordering or administering workflows for potential causative agents
  - Record vaccine administration refusal
  - Produce cohort reports
- Query, Response and Reconciliation
  - Display local forecast
  - Transmit query to the IIS and receive response
  - Compare IIS-provided information
  - Display SUT vaccination history including the user-reconciled IIS-provided history
  - Re-evaluate patient's immunization forecast
  - Not an exact match response (RSP)
- Transmission and Acknowledgment
  - Transmit newly recorded immunization records to IIs
  - Receive and process acknowledgement messages
  - Update vaccine record previously submitted to IIS
  - Transmit newly recorded historical immunization record
  - Transmit and delete record and for immunization
  - Transmit refusal for immunization
  - Transmit patient consent (protection status)
- Patient Access
  - Provide patient or a designated individual electronic access to the patient's immunization record.
- Clinical Configuration
  - Add new vaccine codes
  - Update immunization schedule to reflect changes in ACIP recommendations
- Transport
  - Send and receive immunization messages using the CDC WSDL
- Data Quality
  - Prevention of critical date data entry errors.

## 1.1. Crosswalk for patient by patient workflow

### Test Story

#### Description

Please use the crosswalk located here: under user documents>[HIMSS IIP Test Plan v11.0 Crosswalk](#)

## 2. 2.0.0 Test preparation - data load

### Test Story

#### Description

This provides the data that should exist in the system under test before testing scenarios are performed.

#### Post-Condition

Data listed in the test cases listed in this test plan exist in the system under test.

#### Test Objectives

Mother's maiden name is expected to be populated for all minor patient.

Middle names are expected to be populated for all patients.

Middle names for next of kin are expected to be populated for all patients.

Phone number and email (if provided with patient data load) is expected to be populated for all patients.

The SUT SHALL link 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.

#### Evaluation Criteria

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item- previously attested to.

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.

#### Notes

This activity is not performed under proctor observation.

## 2.1. 2.1.0 Facilities

### Test Story

<b>Description</b>																													
This provides the details for facilities that should exist in the system under test before testing scenarios are performed.																													
Some additional identifiers listed under data entry are only needed for specific tests where additional MSH fields or OIDs are being requested.																													
<b>Data Entry</b>																													
<b>SUT Organization/Facility/Assigning Authority Definitions</b>																													
<table border="1"><tr><th>Organization Facility</th><td></td></tr><tr><td>Organization Identifier</td><td>197028</td></tr><tr><td>Identifier Type Code</td><td>XX</td></tr><tr><td>Assigning Authority-Namespace ID</td><td>OFM</td></tr><tr><td>Organization Name</td><td>Oregon Family Medicine</td></tr><tr><td>Address</td><td></td></tr><tr><td>Address Line 1</td><td>2000 N. 19th St.</td></tr><tr><td>Address Line 2</td><td>[None]</td></tr><tr><td>City</td><td>Springfield</td></tr><tr><td>State</td><td>Oregon</td></tr><tr><td>Zip Code</td><td>97477</td></tr><tr><td>Country</td><td>USA</td></tr><tr><td>Universal ID</td><td>2.16.840.1.113883.3.72.5.40.8</td></tr><tr><td>Universal ID Type</td><td>ISO</td></tr></table>		Organization Facility		Organization Identifier	197028	Identifier Type Code	XX	Assigning Authority-Namespace ID	OFM	Organization Name	Oregon Family Medicine	Address		Address Line 1	2000 N. 19th St.	Address Line 2	[None]	City	Springfield	State	Oregon	Zip Code	97477	Country	USA	Universal ID	2.16.840.1.113883.3.72.5.40.8	Universal ID Type	ISO
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City	Springfield																												
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Zip Code	97477																												
Country	USA																												
Universal ID	2.16.840.1.113883.3.72.5.40.8																												
Universal ID Type	ISO																												
<b>Sending Application - SUT (Message Header)</b>																													
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Facility-Namespace ID	OFM																												
Universal ID	2.16.840.1.113883.3.72.5.40.2																												
Universal ID Type	ISO																												
<b>Patient Identifier Assigning Authority (PID-3)</b>																													
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Assigning Authority-Namespace ID	IIP-MPI-1																												
Universal ID	2.16.840.1.113883.3.72.5.40.5																												
Universal ID Type	ISO																												
<b>Practitioner Assigning Authority (ORC-10, ORC-12, RXA-10)</b>																													
<table border="1"><tr><td>Assigning Authority-Namespace ID</td><td>OFM-PI-1</td></tr><tr><td>Universal ID</td><td>2.16.840.1.113883.3.72.5.40.7</td></tr><tr><td>Universal ID Type</td><td>ISO</td></tr></table>		Assigning Authority-Namespace ID	OFM-PI-1	Universal ID	2.16.840.1.113883.3.72.5.40.7	Universal ID Type	ISO																						
Assigning Authority-Namespace ID	OFM-PI-1																												
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<b>Administered At-Location (RXA-11.4)</b>																													
<table border="1"><tr><td>Facility-Namespace ID</td><td>OFM</td></tr><tr><td>Universal ID</td><td>2.16.840.1.113883.3.72.5.40.12</td></tr><tr><td>Universal ID Type</td><td>ISO</td></tr></table>		Facility-Namespace ID	OFM	Universal ID	2.16.840.1.113883.3.72.5.40.12	Universal ID Type	ISO																						
Facility-Namespace ID	OFM																												
Universal ID	2.16.840.1.113883.3.72.5.40.12																												
Universal ID Type	ISO																												

## Order Information Assigning Authority Information (ORC)

<b>Placer Order Number-Entity Identifier</b>	Unique per order
Namespace ID	OFM
Universal ID	2.16.840.1.113883.3.72.5.40.10
Universal ID Type	ISO
<b>Filler Order Number-Entity Identifier</b>	Unique per order
Namespace ID	OFM
Universal ID	2.16.840.1.113883.3.72.5.40.10
Universal ID Type	ISO

## IIP NIST Tool Organization/Facility/Assigning Authority Definitions

### IIP Facility (Receiving Responsible Organization – IIP NIST Tool)

<b>Organization Identifier</b>	197027
Identifier Type Code	XX
Assigning Authority-Namespace ID	IIP
Organization Name	Immunization Integration Program
Assigning Authority-Namespace ID	IIP
Universal ID	2.16.840.1.113883.3.72.5.40.9
Universal ID Type	ISO

### Receiving Application (Message Header)

<b>Software Application Namespace ID</b>	IIP-IIS-APP
Universal ID	2.16.840.1.113883.3.72.5.40.3
Universal ID Type	ISO

### Receiving Facility (Message Header)

<b>Facility-Namespace ID</b>	IIP
Universal ID	2.16.840.1.113883.3.72.5.40.4
Universal ID Type	ISO

### Post-Condition

Data listed in the test cases listed below exist in the system under test.

### Notes

This activity is not performed under proctor observation.

This was an attestation item-previously attested to.

## 2.2. 2.2.0 People

### Test Story

#### Description

This provides the details for people (patients and providers) that should exist in the system under test before testing scenarios are performed.

#### Post-Condition

Data listed in the test cases listed below exist in the system under test.

#### Notes

This activity is not performed under proctor observation.

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PDI-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

This was an attestation item-previously attested to.

## 2.2.1. Patient Pre-load: Lance Gaige Duncan (LGD)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Functions associated with this patient: 3.1.0, 3.2.0, 3.3.0, 3.4.0, 3.5.0, 3.6.0, 3.7.0, 3.8.0, 3.9.0, 5.1.0, 5.2.0, 5.3.0, 5.4.0

Name abbreviated in Function and Test Step title as: LGD

#### Comments

Please use the Job Aid for all steps associated to this patient that require forecast dates and DOB dates.

The Job Aid can be located [here](#) in NIST under Documentation> User Documentation>HIMSS IIP Test Plan v11.0 Job Aid

#### Pre-condition

Patient 1	
ID Number	1111
ID Type	Medical record number
Name	
First	Lance
Middle	Gaige
Last	Duncan
Suffix	Jr.
Mother's Maiden Name	King
Age	Today (day of test) the patient is 0 years, 1 months, and 17 days old
Relative Date of Birth	Please use the Job Aid for all steps related to this patient
Sex	Male
Race	American Indian or Alaska Native
Ethnicity	Not Hispanic or Latino
Permanent Address	
Address Line 1	749 Evergreen Ter.
Address Line 2	Unit A
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1111
Use	Primary Residence Number
Type	Cellular Phone
Email	IIPMP@gmail.com
Use	Network (email) Address
Type	X.400 email address: Use Only If Telecommunication Use Code Is NET
Part of a multiple birth?	No
Birth order	1
Reminder Recall	Reminder/recall - any method
Protection Indicator: Consent= (No) /No Consent =(Yes)	No
IIS Status	Active
Deceased?	No
Vaccine Program Eligibility	VFC eligible - American Indian/Alaskan Native
Patient 1's Next of Kin 1	
Name	
First	Ingrid
Middle	Stacy
Last	Duncan

Maiden Name	King
Relation	Mother
Permanent Address	
Address Line 1	749 Evergreen Ter.
Address Line 2	Unit A
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1111
Use	Primary Residence Number
Type	Cellular Phone
Email	IIPMP@gmail.com
Use	Network (email) Address
Type	X.400 email address: Use Only If Telecommunication Use Code Is NET
Patient 1's Next of Kin 2	
Name	
First	Simon
Middle	Isaiah
Last	Duncan
	Sr.
Maiden Name	
Relation	Father
Permanent Address	
Address Line 1	749 Evergreen Ter.
Address Line 2	Unit A
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1233
Use	Primary Residence Number
Type	Cellular Phone

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## **2.2.2. Patient Pre-load: Alexandria Jacqueline Montoya (AJM)**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Functions associated with this patient: 3.10.0, 3.11.0, 5.7.0

Name abbreviated in Function and Test Step title as: AJM

#### **Pre-condition**

Patient 2	
ID Number	2222
ID Type	Medical record number
Name	
First	Alexandria
Middle	Jacqueline
Last	Montoya
Suffix	
Mother's Maiden Name	Hayes
Date of Birth	03/27/2012
Sex	Female
Race	White
Ethnicity	Not Hispanic or Latino
Permanent Address	
Address Line 1	82 Evergreen Ter
Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1235
Use	Primary Residence Number
Type	Cellular Phone
Part of a multiple birth?	No
Birth order	1
Reminder Recall	Reminder/recall - any method
Protection Indicator: Consent= (No) /No Consent =(Yes)	Yes
IIS Status	Active
Deceased?	No
Vaccine Program Eligibility	VFC eligible - Medicaid/Medicaid Managed Care
Patient 2's Next of Kin	
Name	
First	Maria
Middle	Christina
Last	Montoya
Maiden Name	Hayes
Relation	Mother
Permanent Address	
Address Line 1	82 Evergreen Ter
Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1235
Use	Primary Residence Number
Type	Cellular Phone

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.3. Patient Pre-load: Selma Nadia McKay (SNM)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Functions associated with this patient: 3.12.0, 3.13.0, 4.1.0, 4.2.0, 4.3.0, 4.4.0, 4.5.0

Name abbreviated in Function and Test Step title as: SNM

#### Pre-condition

Patient 3	
ID [1] (Local)	
ID Number	3333
ID Type	Medical record number
Name	
First	Selma
Middle	Nadia
Last	McKay
Suffix	
Mother's Maiden Name	Schroeder
Date of Birth	02/05/2023
Sex	Female
Race	Black or African American
Ethnicity	Not Hispanic or Latino
Permanent Address	
Address Line 1	600 Cherry Rd.
Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1236
Use	Primary Residence Number
Type	Telephone
Part of a multiple birth?	Yes
Birth order	1
Reminder Recall	Reminder/recall - any method
Protection Indicator: Consent= (No) /No Consent =(Yes)	No
IIS Status	Active
Deceased?	No
Vaccine Program Eligibility	Not VFC eligible
Patient 3's Next of Kin 1	

Name	
First	Angeline
Middle	Ingrid
Last	McKay
Maiden Name	Schroeder
Relation	Mother
Permanent Address	
Address Line 1	600 Cherry Rd.
Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA

Phone Number	(541) 555-1236
Use	Primary Residence Number
Type	Telephone
<b>Patient 3's Known Immunization History</b>	
Vaccine trade name, Unit-of-Use NDC	ENGERIX-B 58160-0820-43
Vaccine type (CVX Code)	Hep B, adolescent or pediatric (CVX 08)
Manufacturer	GlaxoSmithKline
Administered on	02/05/2023
Lot Number	TTT44891
Expiration Date	3/5/2024
Volume (mL)	0.50
Administered At	Oregon Birthing Hospital
Vaccine record source	Historical information - from other provider
Vaccine trade name, Unit-of-Use NDC	HAVRIX 58160-0825-43
Vaccine type (CVX Code)	Hep A, ped/adol, 2 dose (CVX 83)
Manufacturer	GlaxoSmithKline
Administered on	12/22/2023
Lot Number	HA1111
Expiration Date	3/22/2025
Volume (mL)	0.50
Administered at	Chain Pharmacy of Oregon
Vaccine record source	Historical information - from other provider

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.4. Patient Pre-load: Deborah Charlotte McKay (DCM)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Functions associated with this patient: 3.14.0, 5.5.0, 5.6.0

Name abbreviated in Function and Test Step title as: DCM

#### Pre-condition

Patient 4	
ID [1] (Local)	
ID Number	4444
ID Type	Medical record number
Name [1]	
First	Deborah
Middle	Charlotte
Last	McKay
Suffix	
Name [2] (IIS Name)	
First	Debbie
Middle	Charlotte
Last	McKay
Suffix	
Mother's Maiden Name	Schroeder
Date of Birth	02/05/2023
Sex	Female
Race	Black or African American
Ethnicity	Not Hispanic or Latino
Permanent Address	
Address Line 1	600 Cherry Rd.
Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1236
Use	Primary Residence Number
Type	Telephone
Part of a multiple birth?	Yes
Birth order	2
Reminder Recall	Reminder/recall - any method
Protection Indicator: Consent= (No) /No Consent =(Yes)	No
IIS Status	Active
Deceased?	No
Vaccine Program Eligibility	Not VFC eligible
Patient 4's Next of Kin 1	
Name	
First	Angeline
Middle	Ingrid
Last	McKay
Maiden Name	Schroeder
Relation	Mother
Permanent Address	
Address Line 1	600 Cherry Rd.

Address Line 2	
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-1236
Use	Primary Residence Number
Type	Telephone
Patient 4's Known Immunization History	
Vaccine trade name, Unit-of-Use NDC	ENGERIX-B 58160-0820-43
Vaccine type (CVX Code)	Hep B, adolescent or pediatric (CVX 08)
Manufacturer	GlaxoSmithKline
Administered on	02/05/2023
Lot Number	TTT44891
Expiration Date	3/5/2024
Volume (mL)	0.50
Administered At	Oregon Birthing Hospital
Vaccine record source	Historical information - from other provider

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.5. Patient Pre-load: Franklin Mayhew Nesbitt (FMN)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Steps associated with this patient: 4.6.4, 4.6.5, 4.6.6

Name abbreviated in Function and Test Step title as: FMN

#### Pre-condition

Patient 5 No match patient	
ID Number	5555
ID Type	Medical record number
Name	
First	Franklin
Middle	Mayhew
Last	Nesbitt
Suffix	
Date of Birth	04/05/1984
Sex	Male
Race <sup>1</sup>	Asian
Ethnicity <sup>1</sup>	Not Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	400 Fir Rd.
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 555-1209
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Telephone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>1</sup>	Reminder/recall - any method
Protection Indicator <sup>1</sup> : Consent= (No) /No Consent =(Yes)	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility <sup>1</sup>	Not VFC eligible
<sup>1</sup> - If required by the SUT	

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.6. Patient Pre-load: James John Smith (JJS)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Steps associated with this patient: 4.6.1, 4.6.2, 4.6.3

Name abbreviated in Function and Test Step title as: JJS

#### Pre-condition

Patient 6 (This the patient with a common name)	
ID Number	6666
ID Type	No
Name	
First	James
Middle	John
Last	Smith
Suffix	
Date of Birth	04/05/1974
Sex	Male
Race <sup>1</sup>	Black or African American
Ethnicity <sup>1</sup>	Not Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	600 Locust Ln
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 555-0006
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Telephone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>1</sup>	Reminder/recall - any method
Protection Indicator <sup>1</sup> : Consent= (No) /No Consent =(Yes)	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility <sup>1</sup>	Not VFC eligible
<sup>1</sup> - If required by the SUT	

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.7. Patient Pre-load: Finley Ira Nash (FIN)

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the patient that should exist in the system under test before testing scenarios are performed.

Functions associated with this patient: 7.0.0

Name abbreviated in Function and Test Step title as: FIN

#### Pre-condition

Patient 7	
ID Number	7777
ID Type	Medical record number
Name	
First	Finley
Middle	Ira
Last	Nash
Suffix	
Date of Birth	04/05/1966
Sex	Male
Race <sup>1</sup>	Asian
Ethnicity <sup>1</sup>	Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	700 Locust Ln
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 555-0007
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Cellular Phone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>1</sup>	Reminder/recall - any method
Protection Indicator <sup>1</sup> : Consent= (No) /No Consent =(Yes)	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility	Not VFC eligible
<sup>1</sup> - If required by the SUT	

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Patient Pre-load

#### Notes

The Protection Indicator is the consent to share information with the registry. When marking if the patient has consented or not consented the applicable field, PD1-12 shall be marked with "Y"=Yes, protect my information (No consent) or "N"=No, do not protect my information (Consent).

## 2.2.8. Practitioner Pre-load: Daniela Jennifer Wyatt

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the practitioner that should exist in the system under test before testing scenarios are performed.

#### Pre-condition

Administering Practitioner Person 1	
ID	7824
ID Type	Provider number
Name	
First	Daniela
Middle	Jennifer
Last	Wyatt
Medical profession:	Nurse (RN)

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Practitioner Pre-load

## 2.2.9. Practitioner Pre-load: Ramon Michael Bradshaw

Test Step Type: SUT\_MANUAL

### Test Story

#### Description

This step provides the details for the practitioner that should exist in the system under test before testing scenarios are performed.

#### Pre-condition

Order Data Entry & Ordering Practitioner 1

ID	654
ID Type	Medical License number
Name	
First	Ramon
Middle	Michael
Last	Bradshaw
Medical profession:	Physician (MD)

#### Post-Condition

Data listed in this test case exists in the system under test.

#### Test Objectives

Practitioner Pre-load

## 2.3. 2.3.0 Vaccine Inventory

### Test Story

#### Description

This provides the details for vaccine products that should exist in the system under test before testing scenarios are performed.

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.

#### Data Entry

##### Inventory

###### Item 1

Product Name (This may vary with each implementation)	PEDIARIX 58160-0811-43
Unit-of-Sale (Box) NDC	58160-0811-52
Unit-of-Use (Syringe or Vial) NDC	58160-0811-43
Generic Name	DTaP-Hep B-IPV
Manufacturer	GlaxoSmithKline
Lot Number	IIPVAXN01
Expiration Date	9/27/2029
Funding Source	Public
Doses on Hand	10
CVX Code	110
MVX Code	SKB
Funding Source Code	VXC50
Packaging	10 pack – 1 dose syringe
Trade Name	PEDIARIX
Unit-of-Use (Vial/Syringe) Image	
GTIN	10358160811439 (01)10358160811439(17)290927(10)IIPVAXN01

###### Item 2

Product Name (This may vary with each implementation)	RECOMBIVAX HB 00006-4981-01
Unit-of-Sale (Box) NDC	00006-4981-00
Unit-of-Use (Syringe or Vial) NDC	00006-4981-01
Generic Name	Hep B, adolescent or pediatric
Manufacturer	Merck and Co., Inc.
Lot Number	IIPVAXN02
Expiration Date	9/27/2029
Funding Source	Public
Doses on Hand	10
CVX Code	08
MVX Code	MSD
Funding Source Code	VXC50
Packaging	10 pack – 1 dose vial
Trade Name	RECOMBIVAX HB

Unit-of-Use (Vial/Syringe) Image



GTIN

00300064981018

(01)00300064981018(17)290927(10)IIPVAXN02

**Item 3**

Product Name (This may vary with each implementation) ENGERIX-B 58160-0821-05

Unit-of-Sale (Box) NDC 58160-0821-34

Unit-of-Use (Syringe or Vial) NDC 58160-0821-05

Generic Name Hep B, adult

Manufacturer GlaxoSmithKline

Lot Number IIPVAXN03

Expiration Date 9/27/2029

Funding Source Private funds

Doses on Hand 10

CVX Code 43

MVX Code SKB

Funding Source Code PHC70

Packaging Unknown

Trade Name ENGERIX-B

Unit-of-Use (Vial/Syringe) Image



GTIN

10358160821056

(01)10358160821056(17)290927(10)IIPVAXN03

**Item 4**

Product Name (This may vary with each implementation) ENGERIX-B 58160-0820-43

Unit-of-Sale (Box) NDC 58160-0820-52

Unit-of-Use (Syringe or Vial) NDC 58160-0820-43

Generic Name Hep B, adolescent or pediatric

Manufacturer GlaxoSmithKline

Lot Number IIPVAXN04

Expiration Date 9/27/2029

Funding Source Public

Doses on Hand 10

CVX Code 08

MVX Code SKB

Funding Source Code VXC50

Packaging 10 pack – 1 dose syringe

Trade Name ENGERIX-B

Unit-of-Use (Vial/Syringe) Image



GTIN

10358160820431

**Item 5**

Product Name (This may vary with each implementation)	ActHIB 49281-0547-58
Unit-of-Sale (Box) NDC	49281-0545-03
Unit-of-Use (Syringe or Vial) NDC	49281-0547-58
Generic Name	Hib (PRP-T)
Manufacturer	sanofi pasteur
Lot Number	IIPVAXN05
Expiration Date	9/27/2029
Funding Source	Public
Doses on Hand	5
CVX Code	48
MVX Code	PMC
Funding Source Code	VXC50
Packaging	5 pack – 1 dose vial
Trade Name	ActHIB
Unit-of-Use (Vial/Syringe) Image	
GTIN	00349281547584
	(01)00349281547584(17)290927(10)IIPVAXN05

**Item 6**

Product Name (This may vary with each implementation)	Prevnar 20 00005-2000-01
Unit-of-Sale (Box) NDC	00005-2000-10
<b>Unit-of-Use (Syringe or Vial) NDC</b>	<b>00005-2000-01</b>
Generic Name (CVX 216)	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF
Manufacturer	Pfizer, Inc
Lot Number	LLBUAYMO6
Expiration Date	9/27/2029
Funding Source	Public
Doses on Hand	10
CVX Code	216
MVX Code	PFR
Funding Source Code	VXC50
Packaging	10 pack – 1 dose syringe
Trade Name	Prevnar 20

**Item 7**

Product Name (This may vary with each implementation)	Rotarix 58160-0740-02
Unit-of-Sale (Box) NDC	58160-0740-21
Unit-of-Use (Syringe or Vial) NDC	58160-0740-02
Generic Name	rotavirus, monovalent
Manufacturer	GlaxoSmithKline

Lot Number	IIPVAXN07
Expiration Date	9/27/2029
Funding Source	Public
Doses on Hand	10
CVX Code	119
MVX Code	SKB
Funding Source Code	VXC50
Packaging	10 pack – 1 oral dose
Trade Name	Rotarix
Unit-of-Use (Vial/Syringe) Image	
GTIN	10358160740029
	(01)10358160740029(17)290927(10)IIPVAXN07

<b>Item 8</b>	
Product Name (This may vary with each implementation)	GARDASIL 9 00006-4121-01
Unit-of-Sale (Box) NDC	00006-4121-02
Unit-of-Use (Syringe or Vial) NDC	00006-4121-01
Generic Name	HPV9
Manufacturer	Merck and Co., Inc.
Lot Number	IIPVAXN08
Expiration Date	9/27/2029
Funding Source	Private funds
Doses on Hand	10
CVX Code	165
MVX Code	MSD
Funding Source Code	PHC70
Packaging	10 pack – 1 dose syringe
Trade Name	GARDASIL 9
Unit-of-Use (Vial/Syringe) Image	
GTIN	00300064121018
	(01)00300064121018(17)290927(10)IIPVAXN08

<b>Item 9</b>	
Product Name (This may vary with each implementation)	GARDASIL 9 00006-4121-01
Unit-of-Sale (Box) NDC	00006-4121-02
Unit-of-Use (Syringe or Vial) NDC	00006-4121-01
Generic Name	HPV9
Manufacturer	Merck and Co., Inc.
Lot Number	IIPVAXN09
Expiration Date	3/26/2024
Funding Source	Public
Doses on Hand	10

CVX Code	165
MVX Code	MSD
Funding Source Code	VXC50
Packaging	10 pack – 1 dose syringe
Trade Name	GARDASIL 9
Unit-of-Use (Vial/Syringe) Image	
GTIN	00300064121018 (01)00300064121018(17)240326(10)IIPVAXN09

#### Item 10

Product Name (This may vary with each implementation)	PEDIARIX 58160-0811-43
Unit-of-Sale (Box) NDC	58160-0811-52
Unit-of-Use (Syringe or Vial) NDC	58160-0811-43
Generic Name	DTaP-Hep B-IPV
Manufacturer	GlaxoSmithKline
Lot Number	IIPVAXN10
Expiration Date	9/27/2029
Funding Source	Private funds
Doses on Hand	10
CVX Code	110
MVX Code	SKB
Funding Source Code	PHC70
Packaging	10 pack – 1 dose syringe
Trade Name	PEDIARIX
Unit-of-Use (Vial/Syringe) Image	
GTIN	10358160811439 (01)10358160811439(17)290927(10)IIPVAXN10

#### Item 11

Product Name (This may vary with each implementation)	HAVRIX 58160-0825-43
Unit-of-Sale (Box) NDC	58160-0825-52
Unit-of-Use (Syringe or Vial) NDC	58160-0825-43
Generic Name	Hep A, ped/adol, 2 dose
Manufacturer	GlaxoSmithKline
Lot Number	IIPVAXN11
Expiration Date	9/27/2029
Funding Source	Private funds
Doses on Hand	10
CVX Code	83
MVX Code	SKB
Funding Source Code	PHC70

Packaging	10 pack – 1 dose syringe
Trade Name	HAVRIX
Unit-of-Use (Vial/Syringe) Image	
	(01)10358160825436(17)290927(10)IIPVAXN11
GTIN	10358160825436

#### Post-Condition

Data listed in the test cases listed below exist in the system under test.

#### Notes

This activity is not performed under proctor observation.

If unable to enter expired vaccination product please alert the proctor.

This was an attestation item-previously attested to.

**Jurisdictions will individually determine if the Unit of Use or Unit of Sale NDC will be used when submitting vaccines to their IIS. This plan uses the Unit of Use NDC.**

## 2.4. 2.4.0 - Configure system to meet local IIS reporting requirements

### Test Story

Description
See test step for details.
Evaluation Criteria
See test step for details.

## **2.4.1. 2.4.1 Add new vaccine program eligibility codes (e.g., VFC/317 vaccine programs). Supports test steps under function 7.0.0**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

The SUT shall be required to capture the respective vaccine program applicable to the vaccine administered.

Various jurisdictions are establishing new programs to provide vaccines and their administration to defined patient populations for some or all vaccines. Many are jurisdiction-specific programs.

For context, the Immunization standard 2.5.1 uses OBX-5 to specify the client's eligibility for a funding program and the dose administered level. Table 0064 lists available codes as V01 Not VFC eligible, V02 VFC eligible-Medicaid/Medicaid Managed Care, V03 VFC eligible Uninsured, V04 VFC eligible American Indian/Alaskan Native, VFC eligible-Federally Qualified Health Center (underinsured), V07 Local-specific eligibility. The extension of the Financial Class code set supports local vaccine program eligibility - IIP024- Emergent Tick Borne Illness Vaccine Program

#### **Comments**

Supports steps 7.1.1, 7.1.2, 7.1.4 and 7.1.5

#### **Pre-condition**

No existing inventory codes contain a financial class of IIP024

#### **Post-Condition**

The entered vaccine includes a reference to the specific program that represents HL7 financial class IIP0024

Go to step 3.1.1

#### **Test Objectives**

To test the ability that the SUT can manage new program eligibility codes as they become available

Add Jurisdiction-Specific Vaccine Eligibility Code: The SUT demonstrates the ability to manage/add new program eligibility codes as they become available and to configure dose-level vaccine eligibility codes per jurisdictional requirements.

#### **Evaluation Criteria**

Financial class-specific eligibility program IIP024 exists post-entry:

1. Local user adds vaccine program to SUT

OR

2. SUT vendor enters vaccine program for users

Code	Label/Description
IIP024	HeartlandVV-Program

If a new vaccine program cannot be added dynamically, it should be added via the process originally attested to prior to the day of testing.

Previously Attested to: (a) Process for adding new program, (b) time it takes to add new program



### 3. 3.0.0 - Capability: Care Provision and Documentation

#### Test Story

##### Description

This "test group" includes basic functionality that allows SUT users to prepare, administer, and record care provision. Advanced functionality is excluded from this capability.

##### Notes

Advanced functionality excluded from the "Care Provision and Documentation" capability includes: query, response, and reconciliation; display IIS immunization forecast; system configuration; display immunization forecast, transmission and acknowledgment; display immunization history; basic data quality; patient access; configuration; and transport.

### 3.1. LGD 3.1.0 - Select patient

#### Test Story

<b>Description</b>
See test step for details.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
Go to step 3.1.1

### 3.1.1. 3.1.1 Not-evaluated: Select patient

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Requirement: The SUT allows a practitioner to query and then select a patient's local medical record to perform subsequent actions such as view or update information or initiate a query for information to an IIS.

The user selects Lance Gaige Duncan, Jr as the patient. See [HIMSS IIP v11.0 Job Aid](#) for patient DOB, Today (day of test) the patient is 0 years, 1 months, and 17 days old.

##### Pre-condition

Lance Gaige Duncan Jr. is registered in the SUT. Please use the HIMSS IIP Test Plan v11.0 Job Aid located [here](#) for all steps related to Lance Gaige Duncan.

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

Lance Gaige Duncan Jr. is selected by a user as the active patient in the SUT.

Go to step 3.2.1

##### Test Objectives

That the SUT can select a patient from a list of active patients.

##### Evaluation Criteria

This is a non-evaluated test step that must be performed to support other associated steps.

The following patient is selected as the active patient:

Patient	
Name	Lance Gaige Duncan Jr.
Medical record number	1111
Age and date of birth (reference only, not entered):	DOB: <a href="#">See HIMSS IIP Test Plan v11.0 Job Aid</a> Today (day of test) the patient is 0 years, 1 months, and 17 days old
VFC Eligible	VFC eligible - American Indian/Alaskan Native

### **3.2. LGD 3.2.0 - Enter patient-provided immunization-related information**

#### **Test Story**

<b>Description</b>
See test step for details.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
Go to step 3.2.1
<b>Evaluation Criteria</b>
SUT product shall permit the entry of patient-provided immunization information and records its source within local medical record.

### 3.2.1. 3.2.1 - Enter patient-provided immunization-related information

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Lance Gaige Duncan Jr.'s mother, Ingrid Stacy Duncan, brings a paper copy of the patient's birth hospital vaccine record to Oregon Family Medicine. This includes a birth dose of hepatitis B.

The hospital record does not indicate which hepatitis B vaccine product, therefore, the practitioner entering the vaccine in the patient's record uses CVX code 45 hepatitis B vaccine, unspecified formulation. This CVX code allows reporting of a vaccination when formulation is unknown (for example, when recording a HepB vaccination when noted on a vaccination card).

##### Pre-condition

Lance Gaige Duncan Jr. is registered in the SUT.

Lance Gaige Duncan Jr. is selected by a user as the active patient in the SUT.

Lance Gaige Duncan Jr.'s hospital paper medical record reflects a dose of hepatitis B was received on (see [HIMSS IIP Test Plan v11.0 Job Aid](#) for DOB/Administration Date)

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

Lance Gaige Duncan Jr.'s SUT record reflects a dose of hepatitis B was received on ([Please use the job aid located here: HIMSS IIP Test Plan v11.0 Job Aid](#)). This dose is noted/labeled as 'historical'.

Go to step 5.4.1 to transmit the historical dose from this step.

##### Test Objectives

The SUT must enable entry of an immunization provided elsewhere, i.e., not administered by the practice running the software.

The software must be able to allow a practitioner to directly enter information about an immunization reported by a patient with minimum data requirements including:

- (1) name of immunization product
- (2) date of immunization (may be at specificity of year; month; and day)
- (3) source of information (e.g. from IIS, from another practitioner)

Additionally, the software must store the source data captured and assure it is displayed in the immunization history indicating provenance (the data elements required). The proctor may accept display with an indicator which provides a mouse-over or a hyperlink for users to view all of the provenance details.

##### Evaluation Criteria

SUT product shall Permit the entry of patient-provided immunization information and records its source within local medical record.

Entered by	Daniela Jennifer Wyatt	
Entering organization	Oregon Family Medicine	
Vaccine product	hepatitis B vaccine, unspecified formulation	
Administered on	<a href="#">Please use the HIMSS IIP Test Plan v11.0 Job Aid</a>	DOB= Administration Date
Vaccine record source	Historical information - from other provider	(see notes)

**Notes**

User Interface (UI) may only show vaccine product as "hepatitis B vaccine, unspecified formulation" - If the UI does not include the CVX code, the SUT must show how the display is linked to the underlying CVX code 45

Vaccine source must be recorded as "Historical information - from other provider" or a similar local version. This must differ from a historical doses from an unspecified source. In subsequent test steps, RXA-9 SHALL be populated as "02^Historical information - from other provider" no other codes will be accepted.

The hospital paper medical record does not include: the ordering practitioner, administered at facility, administering practitioner, the administered amount, administered units, the vaccine tradename, the vaccine manufacturer, the dose expiration date, the dose lot number, or vaccine route and site. Therefore, these data are not entered into the SUT.

### 3.3. LGD 3.3.0 - Display patient's updated immunization history

#### Test Story

<b>Description</b>
See test step for details.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
Go to step 3.3.1
<b>Evaluation Criteria</b>
See test step for details.

### 3.3.1. 3.3.1 - Display patient's updated immunization history

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Lance Gaige Duncan Jr.'s SUT medical record now includes a hepatitis B vaccine dose record provided by a parent with minimum data.

##### Pre-condition

Lance Gaige Duncan Jr.'s SUT record reflects a dose of hepatitis B was received on ([Please use the HIMSS IIP Test Plan v11.0 job aid](#)). This dose is noted/labeled as 'historical'.

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

Lance Gaige Duncan historical dose has been entered in the SUT and is visible to users.

Go to step 3.4.1

##### Test Objectives

To test the capability that the SUT is able to display updated immunization history.

##### Evaluation Criteria

Lance Gaige Duncan Jr.'s SUT medical record reflects the following minimum data:

Vaccine product	hepatitis B vaccine, unspecified formulation
Administered on	<a href="#">Please use the job aid located here: HIMSS IIP Test Plan v11.0 Job Aid</a>
Vaccine record source	Historical information - from other provider (see notes)

##### Notes

Vaccine source must be recorded as "Historical information - from other provider" or a similar local version. This must differ from a historical doses from an unspecified source. In subsequent test steps, RXA-9 SHALL be populated as '02^Historical information - from other provider' no other codes will be accepted.

### 3.4. LGD 3.4.0 - Display patient's immunization local system (non-IIS) forecast

#### Test Story

<b>Description</b>
See test step for details.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
Go to step 3.4.1
<b>Evaluation Criteria</b>
See test step for details.

### 3.4.1. 3.4.1 - Display patient's immunization forecast

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

The SUT is able to Display a single patient's immunization forecast report which may be (1) from the IIS - forecast with history of vaccinations this patient has received or (2) display immunization forecast created after reconciliation of IIS data with local data, or (3) in the absence of a new forecast, display the forecast obtained from the IIS (i.e., must display a forecast which SHALL be post-reconciliation if any changes have been made, or the original IIS forecast received if no reconciliation has occurred.

##### Pre-condition

Two pre-conditions exist:

- 1.) Lance Gaige Duncan Jr. is registered in the SUT.
- 2.) Lance Gaige Duncan historical dose has been entered in the SUT and is visible to users.

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

Updated forecast is available in SUT

Go to step 3.5.1

##### Test Objectives

To test the capability that the SUT is able to display forecast after immunization record updated.

##### Evaluation Criteria

At a minimum, the patient's forecast shall contain the dates for which the next childhood vaccine dose(s) are due:

Vaccine forecast for: Lance Gaige Duncan Jr.

DOB: Please use the job aid located here: [HIMSS IIP Test Plan v11.0 Job Aid](#)

Age as of today: Today (day of test) the patient is 0 years, 1 months, and 17 days old

Please use the job aid for forecast dates	Earliest	Recommended	Past Due (not evaluated)
COVID			
DTaP, Tdap or Td			
HepA			
HepB			
Hib			
Influenza			
MMR			
Pneumococcal			
Polio			
Rotavirus			
Varicella			

##### Notes

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

For proctor: We expect to see a recommended date. If other dates are shown they are not to be evaluated. Take a screen shot of this forecast to compare the forecast generated in 3.9.1.

For this patient who is on schedule, the recommended age is used rather than recommended spacing.

"Recommended" is the date at which the next target dose should be given.

Other vaccines besides those listed above are not to be evaluated.

### 3.5. LGD 3.5.0 - Enter vaccination order

#### Test Story

<b>Description</b>
The SUT supports the ability to enter vaccine orders.
<b>Pre-condition</b>
Dr. Ramon Michael Bradshaw is the practitioner.
<b>Post-Condition</b>
Go to step 3.5.1

### 3.5.1. 3.5.1 - Enter vaccination order

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Allow practitioners to order the administration of immunizations to a patient using filters for type of vaccine, including combination vaccines.

Dr. Ramon Michael Bradshaw, orders the four vaccines to be administered to Lance Gaige Duncan Jr.:

PEDIARIX, CVX 110  
ActHIB, CVX 48

Rotarix, CVX 119

Prevnr 20, CVX 216

##### Pre-condition

The patient Lance Gaige Duncan Jr. is registered in the SUT.

Lance Gaige Duncan Jr. has been selected as the active patient in the SUT.

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

##### Post-Condition

An administering practitioner is able to select the same patient selected by Dr. Ramon Michael Bradshaw, the ordering provider, and the patient may now be administered doses of all vaccines ordered.

Go to step 3.6.1

##### Test Objectives

To test the capability that the SUT allows the order of immunizations for a patient using filters for vaccine types, including combination vaccines.

##### Evaluation Criteria

Dr. Ramon Michael Bradshaw intends to look for vaccines containing hepatitis B antigen.

The SUT will allow filtering as shown and the SUT user will enter the orders for the products listed as "The vaccine to be ordered"

Each order may be processed individually, or each selected to create an order set that allows entry of all orders together.

The SUT displays the following list of vaccines containing hepatitis B antigen:

Product Name (This may vary with each implementation)	PEDIARIX
Generic Name (CVX 110)	DTaP-Hep B-IPV
CVX Code	110

Product Name (This may vary with each implementation)	RECOMBIVAX HB
Generic Name (CVX 08)	Hep B, adolescent or pediatric
CVX Code	08

Product Name (This may vary with each implementation)	ENGERIX-B
Generic Name (CVX 43)	Hep B, adult
CVX Code	43

Product Name (This may vary with each implementation)	ENGERIX-B
Generic Name (CVX 08)	Hep B, adolescent or pediatric
CVX Code	08

From the above list of vaccines containing hepatitis B antigen Item 1, PEDIARIX, CVX 110 is ordered.

Dr. Ramon Michael Bradshaw uses the information below to order(s) for the patient's first vaccine:

Product Name (This may vary with each implementation)	PEDIARIX
Generic Name (CVX 110)	DTaP-Hep B-IPV
CVX Code	110

Next, Dr. Ramon Michael Bradshaw intends to look for vaccines containing Hib antigen.

The SUT displays the following vaccine containing Hib antigen:

Product Name (This may vary with each implementation)	ActHIB
Generic Name (CVX 48)	Hib (PRP-T)
CVX Code	48

From the above vaccine containing Hib antigen, ActHIB, CVX 48 is ordered.

Dr. Ramon Michael Bradshaw uses the information above to record order(s) for the patient's second vaccine.

Next, Dr. Ramon Michael Bradshaw intends to look for vaccines containing rotavirus antigen.

The SUT displays the following vaccine containing rotavirus antigen:

Product Name (This may vary with each implementation)	Rotarix
Generic Name (CVX 119)	rotavirus, monovalent
CVX Code	119

From the above containing rotavirus antigen, Rotarix CVX 119 is ordered.

Dr. Ramon Michael Bradshaw uses the information above to record order(s) for the patient's third vaccine.

Next, Dr. Ramon Michael Bradshaw intends to look for vaccines containing Pneumococcal conjugate antigen.

The SUT displays the following vaccine containing Pneumococcal conjugate antigen:

Product Name (This may vary with each implementation)	Prevnar 20
Generic Name (CVX 216)	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF
CVX Code	216

From the above containing Pneumococcal conjugate antigen, Prevnar 20 CVX 216 is ordered.

Dr. Ramon Michael Bradshaw uses the information above to record order(s) for the patient's fourth vaccine.

Patient	
Name	Lance Gaige Duncan Jr.
DOB	See Job Aid
SUT Users	
Ordering Provider	Ramon Michael Bradshaw
Entering Organization	Oregon Family Medicine
Order Entered By	Daniela Jennifer Wyatt

The proctor may accept one of the following presentations as acceptable for this test step:

(a) The SUT presents a list of all immunizations and provides the user with ability to filter by antigen and the sorted display includes single antigen and combination vaccines containing that antigen. The user selects each of the four vaccines indicated and orders each either as individual steps for each or a single step ordering all four.

(b) The SUT allows selection of each of the four immunizations in the test step directly from an immunization schedule, opening the ordering screen for each as it is selected and displaying only the vaccines containing the respective antigen(s).

#### Notes

Coded values are not expected to be displayed to the user, but it is expected that the value displayed to the user has the identified meaning, and it is expected that the system will use the coded value when the attribute is conveyed in later transactions.

Depending on the SUT's configuration, four separate orders may need to be placed, one for each vaccine dose.

In later tests it is expected vaccine products NDCs will appear in RXA segments and the ordering and entering practitioners will appear in a single ORC segment.

### **3.6. LGD 3.6.0 - Scan 2D barcodes found on vaccine vials and syringes to input the vaccine information**

#### **Test Story**

##### **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.

##### **Pre-condition**

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

Go to step 3.6.1

##### **Test Objectives**

See test case for details

##### **Evaluation Criteria**

See test case for details

##### **Notes**

This may be performed concurrently as the function "Record vaccine administration".

### **3.6.1. 3.6.1 - Scan 2D barcodes found on vaccine vials and syringes to input the vaccine information**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **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 Gaige 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 Gaige 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

ActHIB, CVX 48

Rotarix, CVX 119

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 Gaige 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 Gaige 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.

<b>Item 1</b>	
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>

### **3.7. LGD 3.7.0 - Record vaccine administration via manual entry (not scanned)**

#### **Test Story**

##### **Description**

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

##### **Pre-condition**

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

Go to step 3.7.1

##### **Test Objectives**

See test case for details

##### **Evaluation Criteria**

See test case for details

##### **Notes**

This may be performed concurrently as the function "Scan 2D barcodes found on vaccine vials and syringes to input the vaccine information"

### 3.7.1. 3.7.1 - Record vaccine administration via manual entry (not scanned)

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

The SUT supports the ability to perform immunization data entry by hand keying in vaccine details found 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 a dose of Prevnar 20 00005-2000-01, lot number LLBUAYMO6 for Lance Gaige Duncan Jr. However, the 2D barcode printed upon its vial/syringe is smudged and will not scan. Vaccine type, lot number, and expiration date are to be entered without a barcode scanner.

##### Pre-condition

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

Prevnr 20, CVX 216

Daniela Jennifer Wyatt is the administering practitioner.

##### Post-Condition

Lance Gaige Duncan Jr. is administered dose without a scannable 2D barcode (Prevnr 20), it has been recorded in the SUT and is visible to SUT users.

Go to step 5.1.1 to transmit vaccines from step 3.6.1 and 3.7.1

##### Test Objectives

To test the ability that the SUT allows for manual entry of data from vaccine UoU.

##### Evaluation Criteria

Lance Gaige 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:

Item 1	
Product Name (This may vary with each implementation)	Prevnr 20 00005-2000-01
Date Administered	Today's date
Unit-of-Use (Syringe or Vial) NDC	00005-2000-01
Manufacturer	Pfizer, Inc
Lot Number	LLBUAYMO6 (practitioner accidentally enters as LLBUAYMO68 which will later be corrected and resubmitted in step 5.3.1)
Expiration Date	9/27/2029
Unit-of-Use (Vial/Syringe) Image that shall not be scanned.	Purposely not provided here, please input manually.
Dose-level Eligibility for Vaccines for Children	American Indian or Alaska Native
Route	INTRAMUSCULAR
Site	Left Deltoid
VIS Given	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Dose:	0.5mL
Generic Name (CVX 216)	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF

##### 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>



## 3.8. LGD 3.8.0 - Print immunization record

### Test Story

#### Description

The SUT produces a printable version a patient's immunization record that can be provided to a patient or caregiver.

#### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

Three pre-conditions have been met:

- 1) Lance Gaige Duncan historical dose has been entered in the SUT and is visible to users.
- 2) 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.
- 3) Lance Gaige Duncan Jr. is administered dose without a scannable 2D barcode (Prevnar 20), it has been recorded in the SUT and is visible to SUT users.

#### Post-Condition

Go to step 3.8.1

#### Evaluation Criteria

See test step for details.

### **3.8.1. 3.8.1 - Print immunization record**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Produces a printable version a patient's immunization record that can be provided to a patient or caregiver.

At the end of the visit for Lance Gaige Duncan Jr. mother, Ingrid Stacy Duncan requests a printed immunization record she can provide to her childcare provider as proof of Lance Gaige Duncan Jr. in-progress vaccine status.

##### **Pre-condition**

Three pre-conditions have been met:

- 1) Lance Gaige Duncan historical dose has been entered in the SUT and is visible to users.
- 2) 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.
- 3) Lance Gaige Duncan Jr. is administered dose without a scannable 2D barcode (Prevnar 20), it has been recorded in the SUT and is visible to SUT users.

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

Ingrid Stacy Duncan is provided a printed copy of the immunization record for Lance Gaige Duncan Jr.

Go to step 3.9.1

##### **Test Objectives**

To test the capability that The SUT produces a printable version a patient's immunization record that can be provided to a patient or caregiver.

##### **Evaluation Criteria**

The printed vaccination record includes the following minimum elements: See [HIMSS IIP Modular Testing Job Aid](#) for details

Patient Information:	
Name	Lance Gaige Duncan Jr.
Date of birth	Please use the job aid Today (day of test) the patient is 0 years, 1 months, and 17 days old
Vaccine Antigens	Administration Date
DTaP / Diphtheria, Tetanus & Pertussis	
Dose 1	Today's date
Hepatitis B	
Dose 1	DOB from Job Aid
Dose 2	Today's date
Hib / Haemophilus influenzae type B	
Dose 1	Today's date
Pneumococcal	
Dose 1	Today's date
Polio	
Dose 1	Today's date
Rotavirus	
Dose 1	Today's date

#### Notes

DTaP may be split out into its three components: Diphtheria, Tetanus & Pertussis.

### 3.9. LGD 3.9.0 - Display local immunization forecast (post administration)

#### Test Story

##### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

##### Evaluation Criteria

The SUT display a patient's local immunization forecast, updated after administration of vaccination doses.

Use the Job Aid Link below.

[HIMSS IIP Test Plan v11.0 Job Aid](#)

### 3.9.1. 3.9.1 - Display local immunization forecast (post administration)

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Display a patient's local immunization forecast, updated after administration of vaccination doses.

##### Pre-condition

Three pre-conditions exist:

- 1) Lance Gaige Duncan Jr. is registered in the SUT.
- 2) Lance Gaige Duncan historical dose has been entered in the SUT and is visible to users.
- 3) Lance Gaige Duncan Jr. is administered dose without a scannable 2D barcode (Prevnar 20), it has been recorded in the SUT and is visible to SUT users.

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

The pre-condition doses are visible in the SUT and the IIS.

Go to step 3.10.1

##### Test Objectives

To test the capability that the SUT is able to display a patient's local immunization forecast, updated after administration of vaccination doses.

##### Evaluation Criteria

This forecast for DTaP, hepatitis B, Hib, pneumococcal, and rotavirus vaccines shall differ from the forecast displayed before administration in test step 3.4.1

At a minimum, the patient's forecast shall contain the date(s) for which the next childhood vaccine dose(s) are due:

Vaccine forecast for: Lance Gaige Duncan Jr.

Today's Date: Please use the [HIMSS IIP Test Plan v11.0 Job Aid](#)

DOB: Today (day of test) the patient is 0 years, 1 months, and 17 days old

Childhood Vaccines:			
Please use the job aid	Earliest	Recommended	Past Due (not evaluated)
COVID-19			
DTaP, Tdap or Td			
HepA			
HepB			
Hib			
Influenza			
MMR			
Pneumococcal			
Polio			
Rotavirus			
Varicella			

##### Notes

RSV is not included in this test plan forecast but may be included in your results-not evaluated.



### **3.10. AJM 3.10.0 - Vaccine dose expiration is visually apparent to administering practitioner**

#### **Test Story**

<b>Description</b>
SUT Informs the practitioner administering a vaccine if the dose chosen for administration is expired.
<b>Evaluation Criteria</b>
See test step for details.

### 3.10.1. 3.10.1 - Not evaluated: Select Patient

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Supports 3.10.3 - Informs administering practitioner that vaccine is expired

The user selects Alexandria Jacqueline Montoya (DOB 03/27/2012) as the active patient and opens her record in the SUT.

##### Pre-condition

Alexandria Jacqueline Montoya (DOB 03/27/2012) is registered in the SUT and has indicated **No Consent** given to share her data with IIS.

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

##### Post-Condition

Alexandria Jacqueline Montoya is the active working patient in the SUT.

Go to step 3.10.2

##### Test Objectives

The SUT is able to select a patient for the purpose of entering an order.

##### Evaluation Criteria

This is a non-evaluated test step that must be performed to support other associated steps.

The following patient is selected as the active patient:

Patient	
Name	Alexandria Jacqueline Montoya
Medical record number	2222
Age and date of birth (reference only, not entered):	12 years old, DOB: 03/27/2012
VFC Eligible	VFC eligible - Medicaid/Medicaid Managed Care
Protected? (Consent Indicator)	Yes
IIS Status	Active

##### Notes

This step sets up the testing for notification of expired vaccine. No evaluation is required.

## **3.10.2. 3.10.2 - Not evaluated: Order vaccine**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Supports 3.10.3 - Informs administering practitioner that vaccine is expired

Dr. Ramon Michael Bradshaw, orders a dose of GARDASIL 9 (HPV9) for Alexandria Jacqueline Montoya (DOB: 03/27/2012). He is unaware of the current vaccine inventory, vaccine funding or patient vaccination program eligibility status.

#### **Pre-condition**

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

Alexandria Jacqueline Montoya (DOB 03/27/2012) is registered in the SUT.

Alexandria Jacqueline Montoya is the active working patient in the SUT.

Two vaccine items have been entered into the SUT's inventory both for GARDASIL 9 (HPV 9), one is expired (Lot Number IIPVAXN09) and the other (Lot Number IIPVAXN08) is unexpired (i.e., still potent).

#### **Post-Condition**

The administering practitioner, Daniela Jennifer Wyatt is able to select Alexandria Jacqueline Montoya (DOB: 03/27/2012), the same patient selected by Dr. Ramon Michael Bradshaw, the ordering practitioner, and the patient, Alexandria Jacqueline Montoya (DOB: 03/27/2012) may now be administered a dose of HPV vaccine.

Go to step 3.10.3

#### **Test Objectives**

To test the ability of the SUT to order a vaccine from a selection of non-expired inventory.

#### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

#### **Notes**

The following is not evaluated but must occur to evaluate additional SUT functionality in subsequent test steps:

Dr. Ramon Michael Bradshaw, orders a dose of GARDASIL 9 (HPV9) for Alexandria Jacqueline Montoya (DOB: 03/27/2012)

Patient	
Name	Alexandria Jacqueline Montoya
DOB	03/27/2012
SUT Users	
Ordering Provider	Ramon Michael Bradshaw
Entering Organization	Oregon Family Medicine
Order Entered By	Daniela Jennifer Wyatt

Product Name (This may vary with each implementation)	GARDASIL 9
Generic Name (CVX 165)	HPV9
CVX Code	165

### 3.10.3. 3.10.3 - Make vaccine dose expiration date prominently available to user

Test Step Type: SUT\_MANUAL

#### Test Story

##### Description

Administering Practitioner Daniela Jennifer Wyatt begins the process of fulfilling Dr. Ramon Michael Bradshaw vaccine order for Alexandria Montoya (DOB: 03/27/2012). Daniela Jennifer reviews the GARDASIL 9 - HPV9 inventory in the SUT.

Daniela Jennifer Wyatt notes two vaccine items are in the clinic's vaccine storage unit, both for GARDASIL 9 - HPV9, one is expired (Lot Number IIPVAXN09) and the other (Lot Number IIPVAXN08) is unexpired (i.e., still potent).

##### Pre-condition

- (1) The patient, Alexandria Jacqueline Montoya (DOB 03/27/2012), is registered in the SUT.
- (2) Two vaccine items have been entered into the SUT's inventory both for GARDASIL 9 - HPV9, one is expired (Lot Number IIPVAXN09) and the other (Lot Number IIPVAXN08) is unexpired (i.e., still potent).
- (3) Dr. Bradshaw has ordered GARDASIL 9 - HPV9 for Alexandria Jacqueline Montoya (DOB 03/27/2012).
- (4) Daniela Jennifer Wyatt, the administering practitioner, has opened the SUT's records for Alexandria Jacqueline Montoya (DOB 03/27/2012).

##### Post-Condition

The SUT makes the expired vaccine dose visually apparent from the unexpired doses to the administering practitioner or does not permit the administering practitioner from selecting an expired vaccine dose.

Go to step 3.11.1

##### Test Objectives

To test the capability that the SUT allows the administering practitioner to distinguish between expired and unexpired vaccine doses or prohibits the administering practitioner from selecting an expired vaccine dose.

##### Evaluation Criteria

While selection from a list would allow passive informing of expiration date, bar code scanning only allows active informing. "Active" informing means that the SUT either disallows the entry or allows the entry with information. If disallowed, the user by default must select a different product. If allowed, the user must delete the "incorrect" entry, and proceed to select the different product.

The SUT distinguishes the expired vaccine dose from the unexpired doses and is visually apparent to the administering practitioner. Alternatively, the SUT may prevent expired vaccine doses from being visible or selected by users.

The selection workflow includes clear evidence of a product expiration date in at least one of the following ways (only 1 method is required):

- Passive: The vaccine product with expiration date before today not displayed by the SUT (i.e., cannot be chosen)
- Passive: The display of selectable vaccine products has includes the expiration date and expiration dates before today are displayed with some indication that choosing that product is discouraged (e.g., hover over tooltip, color, bolding, graying out, or other UI indication used by the SUT for similar issues)
- Active: Selection of a specific expired vaccine product to administer generates an informative messages in a method consistent with the SUT for similar issues) - Active informing

##### Notes

Alternatively, the SUT may meet the requirement by prohibiting the selection of an expired dose. However, careful consideration should be made when implementing such a strategy. A recent real-world example was the extension of emergency use authorization (EUA) vaccine product's expiration date by FDA. In systems where a product's expiration date is not able to be extended, users may need the option to administer vaccine product that the system believes to be expired.

## 3.11. AJM 3.11.0 - Patient vaccine program eligibility does not match vaccine funding

### Test Story

#### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

#### Evaluation Criteria

See test step for details.

### **3.11.1. 3.11.1 - Inform administering user that the patient's vaccine program eligibility does not match vaccine funding source**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Administering Practitioner Daniela Jennifer Wyatt continues the process of fulfilling Dr. Ramon Michael Bradshaw's vaccine order for Alexandria Montoya (DOB: 03/27/2012).

Daniela Jennifer Wyatt recalls there was only one potent (i.e., not expired) GARDASIL 9 - HPV9 product in the vaccine storage unit (Lot Number IIPVAXN08).

Daniela Jennifer Wyatt notes that lot number IIPVAXN08 for GARDASIL 9 - HPV9 was paid for using Private funds which conflicts with the vaccine program eligibility for Alexandria Montoya (DOB: 03/27/2012), VFC eligible - Medicaid/Medicaid Managed Care

After determining infrequent replenishment is allowed by the State VFC Program and to ensure the patient begins the HPV9 series, Daniela Jennifer Wyatt decides to use lot number IIPVAXN08 for today's visit and replace the privately funded vaccine after the next VFC vaccine order is received.

##### **Pre-condition**

- (1) The patient, Alexandria Jacqueline Montoya (DOB 03/27/2012), is registered in the SUT.
- (2) Two vaccine items are stored in the clinic's vaccine storage unit, both for GARDASIL 9 (HPV 9), one is publicly funded and expired (Lot Number IIPVAXN09) and the other (Lot Number IIPVAXN08) is privately funded and unexpired (i.e., still potent).
- (3) Dr. Bradshaw has ordered an HPV9 vaccine for Alexandria Jacqueline Montoya (DOB 03/27/2012). in step 3.10.2
- (4) Daniela Jennifer Wyatt, the administering practitioner, has opened the SUT's records for Alexandria Jacqueline Montoya (DOB 03/27/2012).
- (5) Infrequent replenishment is allowed by the State VFC Program

##### **Post-Condition**

The SUT makes the mismatch of the vaccine product's funding source and the patient's vaccine program eligibility visually apparent to the administering practitioner or does not permit the administering practitioner from selecting the mismatched vaccine.

Alexandria Jacqueline Montoya (DOB 03/27/2012) is vaccinated with GARDASIL 9 - HPV9 lot number IIPVAXN08, and this information is incorporated into the SUT.

Go to step 5.7.1 to transmit this vaccine administration.

##### **Test Objectives**

To test the capability that the SUT allows the administering practitioner be aware of a mismatch of the vaccine product's funding source and the patient's vaccine program eligibility.

##### **Evaluation Criteria**

The SUT distinguishes the publicly funded vaccine dose from the privately funded doses and is visually apparent to the administering practitioner. Alternatively, the SUT may prevent publicly funded vaccine doses from being visible or selected by users.

The selection workflow includes clear evidence of a vaccine funding source in at least one of the following ways (only 1 method is required):

- Passive: The vaccine product that is privately funded is not displayed by the SUT (i.e., cannot be chosen)
- Passive: The display of selectable vaccine products which includes the funding source are displayed with some indication that choosing the wrong funding sourced product is discouraged (e.g., hover over tooltip, color, bolding, graying out, or other UI indication used by the SUT for similar issues)
- Active: Selection of a specific privately funded vaccine product to administer generates informative messages in a method consistent with the SUT for similar issues) - Active informing

The SUT makes the mismatch of the vaccine product's funding source and the patient's vaccine program eligibility visually apparent to the administering practitioner or does not permit the administering practitioner from selecting the mismatched vaccine.

Vaccine Funding Source	Private funds
Patient Dose-level Eligibility for Vaccines for Children	VFC eligible - Medicaid/Medicaid Managed Care

The SUT may meet the requirement by prohibiting the selection of mismatch. However, careful consideration should be made when implementing such a strategy. This may result in patients not being immunized in a timely manner.

The following information is a not evaluated portion of this test step but supports subsequent test steps and should be performed by the SUT user:

Alexandria Jacqueline Montoya (DOB 03/27/2012) is administered vaccines by Nurse Daniela Jennifer Wyatt who enters the following information into the SUT:

Product Name (This may vary with each implementation)	GARDASIL 9 00006-4121-01
Date Administered	Today's Date
Unit-of-Use (Syringe or Vial) NDC	00006-4121-01
Manufacturer	Merck and Co., Inc.
Lot Number	IIPVAXN08
Expiration Date	09/27/2029
Unit-of-Use (Vial/Syringe) Image that may be scanned.	
GTIN 00300064121018	
Patient Dose-level Eligibility for Vaccines for Children	VFC eligible - Medicaid/Medicaid Managed Care
Vaccine Funding Source	Private funds
Route	INTRAMUSCULAR
Site	Left Deltoid
VIS Given	HPV (Human Papillomavirus) Vaccine VIS - 08/06/2021
CVX	165
MVX	MSD
Funding Source Code	PHC70
Packaging	10 pack – 1 dose syringe
Trade Name	GARDASIL 9
Generic Name (CVX 165)	HPV9

#### 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>



## 3.12. SNM 3.12.0 - Record adverse events

### Test Story

#### Description

Nurse Daniela Wyatt receives a secure message that indicates one of the clinic's patients was recently seen by an associated hospital emergency department due to an adverse reaction associated with a vaccine dose administered outside the patient's medical home.

On 12/22/2023 Selma Nadia McKay (DOB 02/05/2023) is vaccinated against Hepatitis A outside of her medical home (Oregon Family Medicine).

After receiving the vaccine, Selma experiences an anaphylactic reaction and paramedics transfer her to a hospital emergency department. She recovers and is discharged home.

Selma's mother follows up with Selma's primary care provider, providing the outside clinic vaccination record and the Emergency Department (ED) discharge documentation. The SUT user records this historical vaccination in the SUT (during preload).

#### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

#### Test Objectives

See test step for additional details.

#### Evaluation Criteria

See test step for additional details.

#### Notes

In scope: Enables local capture of structured data regarding vaccine-related adverse events.

Not in scope: Transmission of adverse event data to the IIS is out of scope due to immaturity of standards and inconsistent willingness of IIS to receive information regarding adverse events.

Not in scope: Reporting adverse events to the Vaccine Adverse Event Reporting System (VAERS) is considered out of scope as it addresses a unique workflow initiated at the time a practitioner identifies and records a potential vaccine-associated adverse event. Such occurrence may be within minutes to days after transmission of vaccine administration data to the IIS. Further, a consensus-based interoperability standard is not evident to require consistent interoperability method for VAERS reporting.

### **3.12.1. 3.12.1 Not evaluated: Select Patient**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Nurse Daniela Wyatt receives a secure message that indicates one of the clinic's patients was recently seen by an associated hospital emergency department due to an adverse reaction associated with a vaccine dose administered outside the patient's medical home.

On 12/22/2023 Selma Nadia McKay (DOB 02/05/2023) is vaccinated against Hepatitis A outside of her medical home (Oregon Family Medicine).

After receiving the vaccine, Selma experiences an anaphylactic reaction and paramedics transfer her to a hospital emergency department. She recovers and is discharged home.

Selma's mother follows up with Selma's primary care provider, providing the outside clinic vaccination record and the Emergency Department (ED) discharge documentation. The SUT user records this historical vaccination in the SUT (during preload).

Supports 3.12.2 Enables local capture of structured data regarding adverse events.

The user selects Selma Nadia McKay (DOB 02/05/2023) as the patient and opens the patient's record in the SUT.

##### **Comments**

This step sets up the testing for recording historical vaccines and adverse events. No evaluation is required.

##### **Pre-condition**

Selma Nadia McKay (DOB 02/05/2023) is registered in the SUT; including information about her primary medical home Oregon Family Medicine

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

Selma Nadia McKay (DOB 02/05/2023) is the active working patient in the SUT.

Go to step 3.12.2

##### **Test Objectives**

The SUT is able to select a patient for the purpose of recording adverse event details in the patient's medical record.

##### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

The following patient is selected as the active patient:

Patient	
Name	Selma Nadia McKay
Medical record number	3333
Age and date of birth (reference only, not entered):	1 years old, DOB: 02/05/2023
VFC Eligible	Not VFC eligible

### **3.12.2. 3.12.2 - Enable local capture of structured data regarding adverse events**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Nurse Daniela Wyatt receives a secure message that indicates one of the clinic's patients was recently seen by an associated hospital emergency department due to an adverse reaction associated with a vaccine dose administered outside the patient's medical home.

##### **Pre-condition**

Selma Nadia McKay (DOB 02/05/2023) is registered in the SUT and one dose of Hep A ped/Adol has been recorded (in preload historical data.). Patient has received 1 of 2 doses.

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

A user has recorded and saved the adverse event for Selma Nadia McKay (DOB 02/05/2023) associated with one dose of Hep A, ped/adol, 2 dose (CVX 83) vaccine as structured data in the SUT. Patient received 1 of 2 doses.

Go to step 3.13.1

##### **Test Objectives**

To test the capability that the SUT allows a user to record an adverse event with an established Vaccination Reaction and Adverse Event (IIS) code as structured data (not free text). See Note #1.

Due to the lack of maturity of standards and acceptance of adverse events, transmission to IIS is excluded from the IIP test plan.

##### **Evaluation Criteria**

The SUT interface allows the a user to enter the minimum required data elements for recording an adverse event including causative agent, reaction date, adverse event (detail in "minimum required data elements")

Minimum Required Data Elements:		
Presumed causative agent	Hep A, ped/adol, 2 dose (CVX 83)	See Note #2
Reaction noted date	12/22/2023	See Note #3
Structured adverse event	Anaphylaxis (disorder) - 39579001 - SNOMED-CT	See Note #4

The proctor will save screenshots of the user interface showing the required information. If the UI does not includes the structured data (e.g., CVX code and/or SNOMED Code) the proctor will request SUT display and obtain a screenshot of the underlying terminology mapping.

##### **Notes**

#1 - The list of coded vaccination reactions may be found here: <https://phinvads.cdc.gov/vads/ViewValueSet.action?id=635A4FEA-8232-E211-8ECF-001A4BE7FA90>

#2 - Alternatively, the SUT's local equivalent may be used. The SUT's graphic user interface may display text that differs, however this must be bound to an underlying hepatitis A vaccine CVX code listed here: <https://www2a.cdc.gov/vaccines/iis/iisstandards/vaccines.asp?rpt=cvx>. Free text is NOT permitted.

#3 - The value for reaction noted date may vary from what is listed in the minimum required elements. It could be: the date reaction occurred, the date identified by a practitioner, or the date recorded in the SUT. Exact dates cannot be assured in data entry so any related date is acceptable.

#4 - Alternatively, the SUT's local equivalent may be used. The SUT's graphic user interface may display text that differs, however this must be bound to an underlying code in the Vaccination Reaction and Adverse Event (IIS) value set. For this specific tested reaction, free text is NOT permitted as anaphylaxis is included in the Vaccination Reaction and Adverse Event (IIS) value set.

#5 In the past IIP tested functionality that included reporting presumed vaccine-related adverse reactions to local public health authorities through data exchange with and IIS as well as reporting of presumed vaccine-related adverse reaction to CDC and FDA, US national public health authorities through a report to Vaccine Adverse Event Reporting System (VAERS). This functionality is considered out of scope and is therefore not tested in the current IIP test plan basic interoperability and data quality module.

#6 In the IIP test case, the SUT is merely being used to record presumed adverse reactions in the local system. This functionality is required to enable subsequent workflow. The SUT should determine the location in the software where entry of the adverse event is appropriate (may vary by SUT - e.g., allergy list, immunization record)

### **3.13. SNM 3.13.0 - Inform ordering user of previous adverse event**

#### **Test Story**

##### **Description**

See test step for details.

##### **Pre-condition**

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

### **3.13.1. 3.13.1 - Inform users ordering vaccine (procedures) to previous adverse events for a specific patient**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

A practitioner at Oregon Family Medicine views the vaccine schedule for Selma Nadia McKay (DOB 02/05/2023) and orders the vaccine to be administered to the patient.

##### **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 03/22/2024.

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

##### **Post-Condition**

The order for Hep A ped/adol has been entered and within the ordering process (during or post-entry) the SUT provides clear evidence of the prior reaction.

Go to step 3.13.2

##### **Test Objectives**

To test the capability that the SUT informs the user of the previous vaccine-related adverse reaction although the user overrides the information and enters the order (or the order generates an alert).

##### **Evaluation Criteria**

The ordering 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 vaccine schedule displays evidence of a concern regarding the display for Hepatitis A vaccine
- The display of orderable vaccines has an indication of a concern to address specific to the Hepatitis A vaccine options
- Selection of a specific Hepatitis A vaccine to order includes indication of a concern to move forward with the order
- Entry of the order for Hepatitis A vaccine results in a message indicating the previous adverse reaction
- The user is able to proceed with entering / completing / saving the order, thus bypassing the information provided.

##### **Notes**

In scope: Expect evidence of prior adverse event to be present in the user interface (actively or passively) at the time of vaccine selection, ordering, or administration.

Not in scope: Transmission of prior adverse event data to the IIS

<b>Order Details if needed:</b>	
Product Name (This may vary with each implementation)	HAVRIX
Generic Name (CVX 83)	Hep A, ped/adol, 2 dose
CVX Code	83
<b>SUT Users</b>	
Ordering Provider	Ramon Michael Bradshaw
Entering Organization	Oregon Family Medicine
Order Entered BY	Daniela Jennifer Wyatt
<b>Patient</b>	
	Selma Nadia McKay
DOB	1 years old, DOB: 02/05/2023

### **3.13.2. 3.13.2 - Inform users administering vaccine to previous adverse events for a specific patient**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **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 to 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

## 3.14. DCM 3.14.0 - Record vaccine administration refusal by patient or caregiver

### Test Story

#### Description

See test step for details.

#### Pre-condition

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

### **3.14.1. 3.14.1 Not evaluated: Select Patient for refused vaccine**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Supports Test Step 3.15.3-During a well child exam, Dr. Ramon Bradshaw recommends that Deborah Charlotte McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay, disagrees with Dr. Ramon Bradshaw's recommendation due to Deborah's twin Selma having a previous adverse reaction to the vaccine and wants to make her refusal clear that Deborah Charlotte McKay is not to receive the vaccine today or in the future.

The user selects Deborah Charlotte McKay (DOB 02/05/2023) as the patient and opens the patient's record in the SUT.

##### **Pre-condition**

Deborah Charlotte McKay (DOB 02/05/2023) is registered in the SUT.

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the entering practitioner for the order.

##### **Post-Condition**

Deborah Charlotte McKay (DOB 02/05/2023) is the active patient in the SUT.

Go to step 3.14.2

##### **Test Objectives**

The SUT selects a patient record to perform subsequent actions.

##### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

The following patient is selected as the active patient:

Patient	
Name	Deborah Charlotte McKay
Medical record number	4444
Age and date of birth (reference only, not entered):	1 years old, DOB: 02/05/2023
VFC Eligible	Not VFC eligible

##### **Notes**

This is not an evaluated step to start the "Care Provision and Documentation" capability.

### **3.14.2. 3.14.2 Not evaluated : Practitioner enters order for Hep A vaccine that will later be refused**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

Supports Test Step 3.15.3-During a well child exam, Dr. Ramon Bradshaw recommends that Deborah McKay receive a hepatitis A vaccine. Prior to the exam, Dr. Bradshaw reviews the patient's medical record and preps the record by entering the recommended vaccine orders in the encounter.

##### **Pre-condition**

Dr. Bradshaw has ordered a dose of hepatitis A vaccine and a dose of hepatitis B vaccine.

Daniela Jennifer Wyatt is the entering practitioner for the order.

##### **Post-Condition**

The Hep A order is visible to the administering practitioner.

The Hep B order is visible to the administering practitioner.

Go to step 3.14.3

##### **Test Objectives**

The SUT allows the order of a vaccine.

##### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

##### **Notes**

This is non evaluated step to the "Care Provision and Documentation" capability.

The following vaccine order is entered prior to the parent refusal:

Vaccine Order 1	
Order Details	
Product Name (This may vary with each implementation)	HAVRIX
Generic Name (CVX 83)	Hep A, ped/adol, 2 dose
CVX Code	83

The following vaccine order is entered:

Vaccine order 2	
Product Name (This may vary with each implementation)	ENGERIX-B 58160-0820-43
Generic Name	Hep B, adolescent or pediatric
CVX Code	08

Ordering Provider	Ramon Michael Bradshaw
Entering Organization	Oregon Family Medicine
Order Entered BY	Daniela Jennifer Wyatt
Patient	Deborah Charlotte McKay
DOB	1 years old, DOB: 02/05/2023

### **3.14.3. 3.14.3 - Not evaluated: Record vaccine administration that was refusal by patient or caregiver**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

During a well child exam, Dr. Ramon Bradshaw recommends that Deborah Charlotte McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay, disagrees with Dr. Ramon Bradshaw's recommendation and wants to make her refusal clear that Deborah Charlotte McKay is not to receive the vaccine today or in the future.

Practitioner pre records the vaccine administration prior to giving the vaccine and patient's mother refusing. The vaccine is transmitted but later deleted (step 5.5.3) and refusal sent (step 5.5.5).

##### **Pre-condition**

Deborah McKay exists in the SUT.

Daniela Jennifer Wyatt is the administering practitioner.

##### **Post-Condition**

The vaccine record is available to SUT users.

Go to step 5.5.1 to transmit the vaccine recorded in this step.

##### **Test Objectives**

This test step sets up future flow for transmission to the IIS supporting the ability to delete a record. It is not evaluated

##### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

User shall record the vaccine for hepatitis A in the SUT with the following data:

Product Name (This may vary with each implementation)	HAVRIX 58160-0825-43
Date Administered	Today's date 58160-0825-43
Unit-of-Use (Syringe or Vial) NDC	 GTIN 10358160825436
Manufacturer Name	GlaxoSmithKline
Lot Number	IIPVAXN11
Expiration Date	09/27/2029
MVX (Manufacturer Code)	SKB
CVX	83
Patient Dose-level Eligibility for Vaccines for Children	Not VFC Eligible
Vaccine Funding Source	Private funds
Route	INTRAMUSCULAR
Site	Left Vastus Lateralis
VIS Given	Hepatitis A Vaccine VIS - 10/15/2021
Dose	0.5mL
Generic Name (CVX)	Hep A, ped/adol, 2 dose (CVX 83)

**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>

### **3.14.4. 3.14.4 - Record vaccine refusal by patient or caregiver**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

During a well child exam, Dr. Ramon Bradshaw recommends that Deborah Charlotte McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay, disagrees with Dr. Ramon Bradshaw's recommendation and wants to make her refusal clear that Deborah Charlotte McKay is not to receive the vaccine today or in the future.

##### **Pre-condition**

Deborah McKay exists in the SUT.

Daniela Jennifer Wyatt is the practitioner recording refusal.

The Hep B order is visible to the administering practitioner.

##### **Post-Condition**

The refusal record is available to SUT users.

The Hep B administration is visible to SUT users.

Go to step 5.6.1 to transmit refusal from this step.

##### **Test Objectives**

To test the capability that the SUT allows users to record vaccine administration refusal by a patient or caregiver.

##### **Evaluation Criteria**

The coded values are not expected to be displayed to the user, but it is expected that the value selected has the identified meaning, and it is expected that the system will use the coded value when the attribute is conveyed in later transactions.

Patient information:	
First	Deborah
Middle	Charlotte
Last	McKay
Date of Birth	02/05/2023
Medical record number	4444
Refusal Information:	
Date of refusal	Today's date
Vaccine	Hep A, ped/adol, 2 dose (CVX 83)
Reason	Parental decision (NIP002 00)
Refused by:	
First	Angeline
Middle	Ingrid
Last	McKay
Relation to Patient	Mother

Vaccine 2 Administration -The 2D Barcode provided information in the following fields should be correct and without omission.	
Product Name (This may vary with each implementation)	ENGERIX-B 58160-0820-43
Date Administered	Today's date
Unit-of-Use (Syringe or Vial) NDC	58160-820-43 (for reference only, please scan 2D barcode)
Manufacturer	GlaxoSmithKline (for reference only, please scan 2D barcode)
Lot Number	IIPVAXN04 (for reference only, please scan 2D barcode)
Expiration Date	09/27/2029 (for reference only, please scan 2D barcode)
CVX 08	08
Unit-of-Use (Vial/Syringe) Image that shall be scanned.	
GTIN 10358160811439	
Dose-level Eligibility for Vaccines for Children	Not VFC eligible
Route	INTRAMUSCULAR
Site	Right Vastus Lateralis
VIS Given	Hepatitis B Vaccine VIS - 05/12/2023

#### Notes

User shall record the refusal for hepatitis A in the SUT with the following data: Substance/Treatment Refusal Reason: Parent Decision (NIP002 00);

The UI may not show the codes referenced but the SUT SHALL show there is underlying code to support transmission to the IIS as coded data with the RXA Completion status of Refused (RE)

### **3.15. 3.15.0 - Produce cohort reports**

#### **Test Story**

Description
See test step for details.

### **3.15.1. 3.15.1 - Attestation: Cohort Report Requirements**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

The SUT provides customers with the ability to list a cohort of patients who are (a) due for vaccines, (b) overdue for vaccines, and (c) recipients of specific vaccine lot numbers.

##### **Test Objectives**

The ability to create cohort reports based upon specific filtering parameters

##### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item- previously attested to.

Cohort reports:

1. All patients overdue for specific vaccines
  - a. SUT provides pre-configured report available to customers
  - b. Customers can create reports based on overdue status
  - c. Customers can request custom report from the vendor
2. All patients due for specific vaccines
  - a. SUT provides pre-configured report available to customers
  - b. Customers can create reports based on vaccine due status
  - c. Customers can request custom report from the vendor
3. All patients administered vaccines with specific lot numbers
  - a. SUT provides pre-configured report available to customers
  - b. Customers can create reports based on vaccine lot number administered
  - c. Customers can request custom report from the vendor

## 4. 4.0.0 - Capability: Query, Response, and Reconciliation

### Test Story

#### Description

The SUT allows for the query of a patient's evaluated immunization history and vaccine forecast. SUT receives various responses to a query of a patient's evaluated immunization history and vaccine forecast from IIS. SUT allows for the reconciliation of immunization data received from IIS.

#### Post-Condition

A Z44 profile message (query) is generated and transmitted to the IIS and a Z42 response is returned.

#### Evaluation Criteria

See test steps for details

## 4.1. SNM 4.1.0 - Display Local Forecast

### Test Story

#### Description

SUT Proctor takes a screenshot of the SUT's local forecast before performing query for evaluated history and forecast. This is to support Step 4.5.1 - re-evaluate patient's immunization forecast after reconciling IIS-provided vaccine history.

The user selects Deborah Charlotte McKay (DOB 02/05/2023) as the patient and opens the patient's record in the SUT.

#### Pre-condition

Existing patient's demographic data are stored within the SUT.

Selma Nadia McKay (DOB 02/05/2023), has the following vaccines recorded in the SUT: 1 dose of Hepatitis A and 1 dose of Hepatitis B and has the following vaccines recorded in the IIS: 3 doses of Hepatitis B, 3 doses of Rotavirus, 3 doses of DTaP, 4 doses of Hib, 4 doses of PCV20, 3 dose of IPV, 2 doses influenza, 2 MMR (1 invalid, 1 as MMRV-Varicella.)

The patient has the following vaccines recorded in the SUT: 1 dose of Hepatitis A and 1 dose of Hepatitis B.

Daniela Jennifer Wyatt is the practitioner.

#### Test Objectives

See test step

#### Evaluation Criteria

Not evaluated

#### Notes

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

#### **4.1.1. 4.1.1 Pre-test step, display local forecast**

Test Step Type: SUT\_MANUAL

##### **Test Story**

###### **Description**

The SUT forecast for Selma Nadia McKay (DOB 02/05/2023) is being displayed. A patient's immunization history in the SUT is incomplete. A query for an immunization history and forecast to the IIS and processing a response have not yet been performed. The incomplete nature of the patient's immunization history also impacts the SUT's forecast. The SUT is likely recommending vaccine doses that have been administered yet are not known to the SUT. Since the SUT has not yet queried the IIS for the patients vaccination history, the local vaccination history is incomplete and the forecast is based upon the same incomplete information.

###### **Pre-condition**

Selma Nadia McKay (DOB 02/05/2023), has the following vaccines recorded in the SUT: 1 dose of Hepatitis A and 1 dose of Hepatitis B and has the following vaccines recorded in the IIS: 3 doses of Hepatitis B, 3 doses of Rotavirus, 3 doses of DTaP, 4 doses of Hib, 4 doses of PCV20, 3 dose of IPV, 2 doses influenza, 2 MMR (1 invalid, 1 as MMRV (Varicella.)

Daniela Jennifer Wyatt is the practitioner.

###### **Post-Condition**

The patient's vaccine forecast from the SUT is available to a practitioner.

Go to step 4.2.1

###### **Test Objectives**

The ability of the SUT to display an updated forecast post-reconciliation of the immunization history.

###### **Evaluation Criteria**

While the proctor is not evaluating the content of the forecast in this step, the proctor is asked to take a screenshot to compare this forecast with the future forecast in step 4.5.1. The screenshot should include the vaccines listed. This is to support Step 4.5.1 - re-evaluate patient's immunization forecast after reconciling IIS-provided vaccine history.

Due to the limited vaccination records within the SUT the following vaccines are provided to SUT users:

Vaccine

DTaP, Tdap or Td

COVID

Hep A

Hep B

Influenza

MMR

Polio

Pneumococcal

Varicella

###### **Notes**

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

## 4.2. SNM 4.2.0 - Query sent to the IIS

### Test Story

<b>Description</b> SUT Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS using an HL7 v2.5.1 Z44 profile message.
<b>Pre-condition</b> Existing patient's demographic data are stored within the SUT.  Selma Nadia McKay (DOB 02/05/2023), has the following vaccines recorded in the SUT: 1 dose of Hepatitis A and 1 dose of Hepatitis B and has the following vaccines recorded in the IIS: 3 doses of Hepatitis B, 3 doses of Rotavirus, 3 doses of DTaP, 4 doses of Hib, 4 doses of PCV20, 3 dose of IPV, 2 doses influenza, 2 MMR (1 invalid, 1 as MMRV (Varicella.)
Daniela Jennifer Wyatt is the practitioner.
<b>Notes</b> The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.  RSV is not included in this test plan forecast but may be included in your results-not evaluated.

## **4.2.1. 4.2.1 - Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

SUT shall Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS using an HL7 v2.5.1 Z44 profile message.

Nurse, Daniela Wyatt, uses SUT to lookup (query) Selma Nadia McKay evaluated immunization history and forecast.

#### **Pre-condition**

Selma Nadia McKay's demographic data are stored within the SUT.

Some of Selma Nadia McKay's immunization data from the IIS does not exist within the SUT.

Selma Nadia McKay's evaluated immunization history and forecast exists within the IIS.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

A query for Selma Nadia McKay's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Go to step 4.2.2 to receive and process RSP from this step

#### **Test Objectives**

To test the capability that the SUT is able to query patient immunization history and forecast from IIS.

#### **Evaluation Criteria**

SUT triggers Z-44 profile message (request for evaluated history and forecast) to the IIS that meets the following requirements:

The message's Query by Parameter (QDP) segment contains the following patient information:

<b>Patient Information</b>	
<b>Element</b>	<b>Data</b>
Patient Name	Selma Nadia McKay
Mother's Maiden Name	Schroeder
ID Number	3333
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield, OR 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)
Multiple Birth Indicator	Y
Birth Order	1

- Limits the query response to one response (RCP-2.1 = 1)

#### **Notes**

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

## Message Contents

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	QBP	Value-Profile Fixed
MSH-9.2	Trigger Event	Q11	Value-Profile Fixed
MSH-9.3	Message Structure	QBP_Q11	Value-Profile Fixed
MSH-10	Message Control ID	IIP411	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z44	Value-Test Case Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Test Case Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	OFM	Presence-Configuration
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code	XX	Value-Profile Fixed
MSH-22.10	Organization Identifier	197028	Presence-Configuration
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	IIP	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	IIP	Presence-Configuration
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	197027	Presence-Configuration

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	Value-Test Case Fixed
QPD-1.2	Text	Request Evaluated History and Forecast	Value-Test Case Fixed
QPD-1.3	Name of Coding System	CDCPHINVS	Value-Test Case Fixed
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY1	Presence-System Generated
QPD-3	Patient List		
QPD-3.1	ID Number	3333	Value-Test Case Fixed
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	Value-Test Case Fixed
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	Value-Test Case Fixed
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	McKay	Value-Test Case Fixed
QPD-4.2	Given Name	Selma	Value-Test Case Fixed
QPD-4.3	Second and Further Given Names or Initials Thereof	Nadia	Presence-Content Indifferent
QPD-4.7	Name Type Code	L	Value-Test Case Fixed
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname	Schroeder	Value-Test Case Fixed
QPD-5.2	Given Name		
QPD-5.7	Name Type Code	M	Value-Test Case Fixed
QPD-6	Patient Date of Birth		
QPD-6.1	Time	20230205	Presence-System Generated
QPD-7	Patient Sex	F	Value-Test Case Fixed
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
QPD-8.2	Other Designation		NonPresence
QPD-8.3	City	Springfield	Value-Test Case Fixed
QPD-8.4	State or Province	OR	Value-Test Case Fixed
QPD-8.5	Zip or Postal Code	97477	Value-Test Case Fixed
QPD-8.6	Country	USA	Value-Test Case Fixed
QPD-8.7	Address Type	P	Value-Test Case Fixed
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
QPD-9.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	Value-Test Case Fixed
QPD-9.7	Local Number	5551236	Value-Test Case Fixed
QPD-10	Patient Multiple Birth Indicator	Y	Value-Test Case Fixed
QPD-11	Patient Birth Order	1	Value-Test Case Fixed

**RCP : Response Control Parameter**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RCR-1	Query Priority	I	Value-Test Case Fixed
RCR-2	Quantity Limited Request		
RCR-2.1	Quantity	1	Value-Test Case Fixed
RCR-2.2	Units		
RCR-2.2.1	Identifier	RD	Value-Test Case Fixed
RCR-2.2.2	Text	Records	Presence-Test Case Proper
RCR-2.2.3	Name of Coding System	HL70126	Value-Profile Fixed
RCR-2.2.4	Alternate Identifier		
RCR-2.2.5	Alternate Text		
RCR-2.2.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Selma Nadia McKay
Mother's Maiden Name	Schroeder
ID Number	3333
Date/Time of Birth	02/05/2023
Sex	Female
Patient Address	600 Cherry Rd. Springfield OR 97477 USA
Patient Phone	(541)555-1236
Birth Indicator	Yes
Birth Order	1

## **4.2.2. 4.2.2 - Receive and process a patient's evaluated immunization history and vaccine forecast from an IIS**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

After receiving a query for the patient's evaluated history and forecast, the IIS generates and sends a return evaluated history response (RSP -- Z42 profile) message to the SUT.

#### **Pre-condition**

A query for Selma Nadia McKay's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Selma Nadia McKay (DOB 02/05/2023), has the following vaccines recorded in the SUT: 1 dose of Hepatitis A and 1 dose of Hepatitis B and has the following vaccines recorded in the IIS: 3 doses of Hepatitis B, 3 doses of Rotavirus, 3 doses of DTaP, 4 doses of Hib, 4 doses of PCV20, 3 dose of IPV, 2 doses influenza, 2 MMR (1 invalid, 1 as MMRV (Varicella.)

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The patient's evaluated immunization history from the IIS is available to a clinician to compare with the SUT's records.

Go to step 4.3.1

#### **Test Objectives**

Confirms valid receipt and display of response message using the Juror Document.

To test the capability that the SUT is able to consume immunization history returned from IIS.

#### **Evaluation Criteria**

Confirm SUT's receipt of a return evaluated history (RSP -- Z42 Profile) message from an IIS that includes the following history details (IIS forecast does not need to be displayed). Validity must be present but validity reason may or may not be present and will not be evaluated.

Antigen	Date	Vaccine Given (CVX)	Source	Validity
DTaP, Tdap or Td	4/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
DTaP, Tdap or Td	6/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
DTaP, Tdap or Td	8/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
HepB	02/05/2023	Hep B, Adol/peds (08)	Historical information - from public agency	Valid
HepB	3/5/2023	Hep B, Adol/peds (08)	Historical information - from public agency	Valid
HepB	8/5/2023	Hep B, Adol/peds (08)	Historical information - from public agency	Valid
Hib	4/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Hib	6/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Hib	8/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Hib	2/5/2024	Hib PRP-OMP (149)	Historical information - from public agency	Valid
Influenza	8/5/2023	Influenza, injectable, quadrivalent (158)	Historical information - from public agency	Valid
Influenza	9/2/2023	Influenza, injectable, quadrivalent (158)	Historical information - from public agency	Valid
MMR	2/5/2024	MMRV (94)	Historical information - from public agency	Valid
MMR	8/5/2023	MMR	Historical information - from public agency	Invalid
Pneumococcal	4/5/2023	PCV20 (216)	Historical information - from public agency	Valid
Pneumococcal	6/5/2023	PCV20 (216)	Historical information - from public agency	Valid
Pneumococcal	8/5/2023	PCV20 (216)	Historical information - from public agency	Valid
Pneumococcal	2/5/2024	PCV20 (216)	Historical information - from public agency	Valid
Polio	4/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Polio	6/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Polio	8/5/2023	DTaP-Hib-IPV (120)	Historical information - from public agency	Valid
Rotavirus	4/5/2023	Rotavirus, pentavalent (116)	Historical information - from public agency	Valid
Rotavirus	6/5/2023	Rotavirus, pentavalent (116)	Historical information - from public agency	Valid
Rotavirus	8/5/2023	Rotavirus, pentavalent (116)	Historical information - from public agency	Valid
Varicella	2/5/2024	MMRV (94)	Historical information - from public agency	Valid

#### Notes

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

#### Message Contents

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	RSP	
MSH-9.2	Trigger Event	K11	
MSH-9.3	Message Structure	RSP_K11	
MSH-10	Message Control ID	IIP-RSP-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z42	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	IIP	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP411	

**QAK : Query Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QAK-1	Query Tag	IIPQUERY1	
QAK-2	Query Response Status	OK	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	
QAK-3.2	Text	Request Evaluated History and Forecast	
QAK-3.3	Name of Coding System	CDCPHINVS	
QAK-3.4	Alternate Identifier		
QAK-3.5	Alternate Text		
QAK-3.6	Name of Alternate Coding System		

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	
QPD-1.2	Text	Request Evaluated History and Forecast	
QPD-1.3	Name of Coding System	CDCPHINVS	
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY1	
QPD-3	Patient List		
QPD-3.1	ID Number	3333	
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	McKay	
QPD-4.2	Given Name	Selma	
QPD-4.3	Second and Further Given Names or Initials Thereof	Nadia	
QPD-4.7	Name Type Code	L	
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname	Schroeder	
QPD-5.2	Given Name		
QPD-5.7	Name Type Code	M	
QPD-6	Patient Date of Birth		
QPD-6.1	Time	20230205	
QPD-7	Patient Sex	F	
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	600 Cherry Rd.	
QPD-8.2	Other Designation		
QPD-8.3	City	Springfield	
QPD-8.4	State or Province	OR	
QPD-8.5	Zip or Postal Code	97477	
QPD-8.6	Country	USA	
QPD-8.7	Address Type	P	
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	
QPD-9.3	Telecommunication Equipment Type	PH	
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	
QPD-9.7	Local Number	5551236	
QPD-10	Patient Multiple Birth Indicator	Y	
QPD-11	Patient Birth Order	1	

## PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	
PID-3	Patient Identifier List		
PID-3.1	ID Number	3333	
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Selma	
PID-5.2	Given Name	Nadia	
PID-5.3	Second and Further Given Names or Initials Thereof	McKay	
PID-5.7	Name Type Code	L	
PID-7	Date/Time of Birth		
PID-7.1	Time	20230205	
PID-8	Administrative Sex	F	
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	600 Cherry Rd.	
PID-11.2	Other Designation		
PID-11.3	City	Springfield	
PID-11.4	State or Province	OR	
PID-11.5	Zip or Postal Code	97477	
PID-11.6	Country	USA	
PID-11.7	Address Type	P	
PID-30	Patient Death Indicator	N	

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	12345	
ORC-3.2	Namespace ID	OBH	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	OBH	
ORC-17.2	Text	Oregon Birthing Hospital	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3086	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3087	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3095	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3096	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3097	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3083	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3084	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3085	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3089	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3090	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3091	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3092	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3093	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3094	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3098	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3088	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3099	
ORC-3.2	Namespace ID	WOP	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	WOP	
ORC-17.2	Text	Western Oregon Pediatrics	
ORC-17.3	Name of Coding System	HL70362	
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	9999	
ORC-3.2	Namespace ID	IIPPIIS	
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number		
ORC-10.2	Family Name		
ORC-10.2.1	Surname		
ORC-10.3	Given Name		
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230205	
RXA-5	Administered Code		
RXA-5.1	Identifier	08	
RXA-5.2	Text	Hep B, ped/adol	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230305	
RXA-5	Administered Code		
RXA-5.1	Identifier	08	
RXA-5.2	Text	Hep B, ped/adol	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	08	
RXA-5.2	Text	Hep B, ped/adol	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230405	
RXA-5	Administered Code		
RXA-5.1	Identifier	116	
RXA-5.2	Text	Rotavirus RotaTeq)	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230605	
RXA-5	Administered Code		
RXA-5.1	Identifier	116	
RXA-5.2	Text	Rotavirus RotaTeq)	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	116	
RXA-5.2	Text	Rotavirus RotaTeq)	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230405	
RXA-5	Administered Code		
RXA-5.1	Identifier	120	
RXA-5.2	Text	DTaP-Hib-IPV Pentac	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230605	
RXA-5	Administered Code		
RXA-5.1	Identifier	120	
RXA-5.2	Text	DTaP-Hib-IPV Pentac	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	120	
RXA-5.2	Text	DTaP-Hib-IPV Pentac	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	158	
RXA-5.2	Text	Influenza Quad W/Pres	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230902	
RXA-5	Administered Code		
RXA-5.1	Identifier	158	
RXA-5.2	Text	Influenza Quad W/Pres	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230405	
RXA-5	Administered Code		
RXA-5.1	Identifier	216	
RXA-5.2	Text	PCV20	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230605	
RXA-5	Administered Code		
RXA-5.1	Identifier	216	
RXA-5.2	Text	PCV20	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	216	
RXA-5.2	Text	PCV20	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240205	
RXA-5	Administered Code		
RXA-5.1	Identifier	216	
RXA-5.2	Text	PCV20	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240205	
RXA-5	Administered Code		
RXA-5.1	Identifier	149	
RXA-5.2	Text	Hib PRP-OMP	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240205	
RXA-5	Administered Code		
RXA-5.1	Identifier	94	
RXA-5.2	Text	MMRV	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20230805	
RXA-5	Administered Code		
RXA-5.1	Identifier	03	
RXA-5.2	Text	MMR	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	Historical Information - Source Unspecified	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	UKN	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20231107	
RXA-5	Administered Code		
RXA-5.1	Identifier	998	
RXA-5.2	Text	No Vaccine Administered	
RXA-5.3	Name of Coding System	CVX	
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier		
RXA-9.2	Text		
RXA-9.3	Name of Coding System		
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID		
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	NA	

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230305	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	122	
OBX-5.2	Text	Rotavirus NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	122	
OBX-5.2	Text	Rotavirus NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	122	
OBX-5.2	Text	Rotavirus NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	107	
OBX-5.2	Text	DTaP NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	Hib NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	8	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	89	
OBX-5.2	Text	Polio NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	11	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	12	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	107	
OBX-5.2	Text	DTaP NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	Hib NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	8	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	89	
OBX-5.2	Text	Polio NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	11	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	12	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	107	
OBX-5.2	Text	DTaP NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	Hib NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	8	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	89	
OBX-5.2	Text	Polio NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	11	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	12	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	88	
OBX-5.2	Text	Influenza NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	88	
OBX-5.2	Text	Influenza NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230902	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230902	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230902	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230902	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	109	
OBX-5.2	Text	Pneumococcal NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	109	
OBX-5.2	Text	Pneumococcal NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	2	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230605	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	109	
OBX-5.2	Text	Pneumococcal NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	3	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	109	
OBX-5.2	Text	Pneumococcal NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	4	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	Hib NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	4	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	94	
OBX-5.2	Text	MMRV NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	1	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240205	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	Dose Validity	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	N	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	NM	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30973-2	
OBX-3.2	Text	Dose Number in Series	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	4	
OBX-6	Units		
OBX-6.1	Identifier	NA	
OBX-6.2	Text	Not Applicable	
OBX-6.3	Name of Coding System	HL70353	
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20230805	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	20240305	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	20270205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59778-1	
OBX-3.2	Text	Date dose is overdue	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	20300304	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	21	
OBX-5.2	Text	Varicella	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	8	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	20240505	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	20270205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59778-1	
OBX-3.2	Text	Date dose is overdue	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value	20300304	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	11	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	12	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	13	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	4	
OBX-5	Observation Value		
OBX-5.1	Identifier	150	
OBX-5.2	Text	Influenza Quad Inj P	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	14	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	4	
OBX-5	Observation Value	20240701	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	15	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	4	
OBX-5	Observation Value	20240701	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	16	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	4	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	17	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	4	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXCI6	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	18	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	5	
OBX-5	Observation Value		
OBX-5.1	Identifier	213	
OBX-5.2	Text	COVID-19	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	19	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	5	
OBX-5	Observation Value	20230805	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	20	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	5	
OBX-5	Observation Value	20230805	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	21	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	5	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	22	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	5	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	23	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value		
OBX-5.1	Identifier	20	
OBX-5.2	Text	DTaP	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	24	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value	20240505	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	25	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value	20240505	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	26	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59778-1	
OBX-3.2	Text	Date dose is overdue	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value	20241002	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	27	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	28	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	6	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	29	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value		
OBX-5.1	Identifier	83	
OBX-5.2	Text	Hep A, ped/adol, 2D	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	30	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value	20240205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	31	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value	20240205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	32	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59778-1	
OBX-3.2	Text	Date dose is overdue	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value	20250304	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	33	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	34	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	7	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	35	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value		
OBX-5.1	Identifier	10	
OBX-5.2	Text	Polio-IPV	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	36	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30981-5	
OBX-3.2	Text	Earliest date dose should be given	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value	20270205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	37	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date Vaccine Due	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value	20270205	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	38	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59778-1	
OBX-3.2	Text	Date dose is overdue	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value	20290901	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	39	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13422-3	
OBX-5.2	Text	On Schedule	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	40	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	8	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	41	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	14	
OBX-5	Observation Value		
OBX-5.1	Identifier	122	
OBX-5.2	Text	Rotavirus NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	42	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	14	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13421-5	
OBX-5.2	Text	Complete	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	43	
OBX-2	Value Type	ST	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30982-3	
OBX-3.2	Text	Reason Code	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	14	
OBX-5	Observation Value	Patient Series is complete	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	44	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	14	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	45	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	Vaccine Type	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	15	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	46	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59783-1	
OBX-3.2	Text	Series Status	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	15	
OBX-5	Observation Value		
OBX-5.1	Identifier	LA13421-5	
OBX-5.2	Text	Complete	
OBX-5.3	Name of Coding System	LN	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	47	
OBX-2	Value Type	ST	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30982-3	
OBX-3.2	Text	Reason Code	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	15	
OBX-5	Observation Value	Patient Series is complete	
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	48	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule Used	
OBX-3.3	Name of Coding System	LN	
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	15	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

**Juror Document**

Evaluated Immunization History and Immunization Forecast					
Test Case ID	SNM 4.2.0 - Query sent to the IIS				
Juror ID					
Juror Name					
HIT System Tested					
Inspection Date/Time					
Inspection Settlement (Pass/Fail)	<table border="1" style="width: 100%; text-align: center;"> <tr> <td style="background-color: #ADD8E6;">Pass</td> <td style="background-color: #ADD8E6;">Fail</td> </tr> <tr> <td><input type="checkbox"/></td> <td><input checked="" type="checkbox"/></td> </tr> </table>	Pass	Fail	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Pass	Fail				
<input type="checkbox"/>	<input checked="" type="checkbox"/>				
Reason Failed					
Juror Comments					

#### DISPLAY VERIFICATION

This Test Case-specific Juror Document provides a checklist for the Tester to use during certification testing for assessing the EHR technology's ability to display required core data elements from the information received in the Evaluated Immunization History and Immunization Forecast Z42 response message. Additional data from the message or from the EHR are permitted to be displayed by the EHR. Grayed-out fields in the Juror Document indicate where no data for the data element indicated were included in the Z42 message for the given Test Case.

The format of this Juror Document is for ease-of-use by the Tester and does not indicate how the EHR display must be designed.

The Evaluated Immunization History and Immunization Forecast data shown in this Juror Document are derived from the Z42 message provided with the given Test Case; equivalent data are permitted to be displayed by the EHR. The column headings are meant to convey the kind of data to be displayed; equivalent labels/column headings are permitted to be displayed by the EHR.

Patient Information				
Patient Identifier	Patient Name	DOB	Gender	Tester Comment
3333	Nadia McKay Selma	02/05/2023	Female	
When displayed in the EHR with the Evaluated Immunization History and Immunization Forecast, these patient demographics data may be derived from either the received immunization message or the EHR patient record. When displaying demographics from the patient record, the EHR must be able to demonstrate a linkage between the demographics in the message (primarily the patient ID in PID-3.1) and the patient record used for display to ensure that the message was associated with the appropriate patient.				

Evaluated Immunization History and Immunization Forecast	
Immunization Schedule Used	Tester Comment
ACIP	

Evaluated Immunization History						
Vaccine Group	Vaccine Administered	Date Administered	Valid Dose	Validity Reason	Completion Status*	Tester Comment
Hep B NOS	Hep B, ped/adol	02/05/2023	YES		Complete	
Hep B NOS	Hep B, ped/adol	03/05/2023	YES		Complete	
Hep B NOS	Hep B, ped/adol	08/05/2023	YES		Complete	
Rotavirus NOS	Rotavirus RotaTeq)	04/05/2023	YES		Complete	
Rotavirus NOS	Rotavirus RotaTeq)	06/05/2023	YES		Complete	
Rotavirus NOS	Rotavirus RotaTeq)	08/05/2023	YES		Complete	
DTaP NOS	DTaP-Hib-IPV Pentac	04/05/2023	YES		Complete	
Hib NOS	DTaP-Hib-IPV Pentac	04/05/2023	YES		Complete	
Polio NOS	DTaP-Hib-IPV Pentac	04/05/2023	YES		Complete	
DTaP NOS	DTaP-Hib-IPV Pentac	06/05/2023	YES		Complete	
Hib NOS	DTaP-Hib-IPV Pentac	06/05/2023	YES		Complete	
Polio NOS	DTaP-Hib-IPV Pentac	06/05/2023	YES		Complete	
DTaP NOS	DTaP-Hib-IPV Pentac	08/05/2023	YES		Complete	
Hib NOS	DTaP-Hib-IPV Pentac	08/05/2023	YES		Complete	
Polio NOS	DTaP-Hib-IPV Pentac	08/05/2023	YES		Complete	
Influenza NOS	Influenza Quad W/Pres	08/05/2023	YES		Complete	
Influenza NOS	Influenza Quad W/Pres	09/02/2023	YES		Complete	
Pneumococcal NOS	PCV20	04/05/2023	YES		Complete	
Pneumococcal NOS	PCV20	06/05/2023	YES		Complete	
Pneumococcal NOS	PCV20	08/05/2023	YES		Complete	
Pneumococcal NOS	PCV20	02/05/2024	YES		Complete	
Hib NOS	Hib PRP-OMP	02/05/2024	YES		Complete	
MMRV NOS	MMRV	02/05/2024	YES		Complete	
MMR NOS	MMR	08/05/2023	NO		Complete	

\* "Completion Status" refers to the status of the dose of vaccine administered on the indicated date and may be interpreted as "Dose Status". A status of "Complete" means that the vaccine dose was "completely administered" as opposed to "partially administered".

Immunization Forecast				
Vaccine Group	Due Date	Earliest Date To Give	Latest Date to Give	Tester Comment
MMR	02/05/2027	03/05/2024		
Varicella	02/05/2027	05/05/2024		
Influenza Quad Inj P	07/01/2024	07/01/2024		
COVID-19	08/05/2023	08/05/2023		
DTaP	05/05/2024	05/05/2024		
Hep A, ped/adol, 2D	02/05/2024	02/05/2024		
Polio-IPV	02/05/2027	02/05/2027		
Rotavirus NOS				
Hep B NOS				

## 4.3. SNM 4.3.0 - Compare IIS-provided information

### Test Story

Description
See test steps for details
Pre-condition
Daniela Jennifer Wyatt is the practitioner.

#### 4.3.1. 4.3.1 - Reconcile and import IIS history and forecast response

Test Step Type: SUT\_MANUAL

##### Test Story

###### Description

The IIS returns an evaluated immunization history and forecast (Z42 profile message) to the SUT in response to the query for patient (Selma Nadia McKay)

The SUT shall allow user to compare IIS supplied immunization history with existing local system medical record.

###### Pre-condition

A query for Selma Nadia McKay's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Daniela Jennifer Wyatt is the practitioner.

###### Post-Condition

The patient's immunization history once only known by the IIS has been compared with the SUT's records by a practitioner.

Go to step 4.4.1

###### Test Objectives

To test the ability that the SUT shall allow user to compare IIS supplied immunization history with existing local system medical record.

###### Evaluation Criteria

The practitioner reviews the immunization history from the IIS and compares to the immunization history in the SUT. The practitioner reviews the information from these sources, identifying information known only to the IIS, and identifying information that is more accurately reflected in the SUT.

Known to the SUT and IIS:		
Vaccine Given (CVX)	Date	Source
Hep B, Adol/peds (08)	02/05/2023	Historical from other provider

As the SUT's data for this dose is more complete than the IIS dose data, the practitioner does not select the above dose from the IIS to be imported.

Known to the SUT but not the IIS		
Vaccine Given (CVX)	Date	Source
Hep A, ped/adol, 2 dose (CVX 83)	12/22/2023	Historical from other provider

This is the same dose recorded within the SUT in step 3.12.2: Record the vaccination that is related to an adverse event. This supports test step 3.13.2 - Inform administering user of previous adverse event .

Although the SUT may be configured to trigger a report of this vaccine dose to the IIS, for the purpose of this test, assume the IIS did not successfully store this information.

Therefore, this information was not provided by the IIS as part of the patient's evaluated immunization history.

Not known to the SUT but known the IIS:			
Vaccine Given (CVX)	Date	Source	Validity
DTaP-Hib-IPV (120)	6/5/2023	Historical information - from public agency	Valid
DTaP-Hib-IPV (120)	8/5/2023	Historical information - from public agency	Valid
DTaP-Hib-IPV (120)	4/5/2023	Historical information - from public agency	Valid
Hep B, Adol/peds (08)	3/5/2023	Historical information - from public agency	Valid

Hep B, Adol/peds (08)	8/5/2023	Historical information - from public agency	Valid
Hib PRP-OMP (149)	2/5/2024	Historical information - from public agency	Valid
Influenza, injectable, quadrivalent (158)	8/5/2023	Historical information - from public agency	Valid
Influenza, injectable, quadrivalent (158)	9/2/2023	Historical information - from public agency	Valid
MMR	8/5/2023	Historical information - from public agency	Invalid
MMRV (94)	2/5/2024	Historical information - from public agency	Valid
PCV20 (216)	4/5/2023	Historical information - from public agency	Valid
PCV20 (216)	6/5/2023	Historical information - from public agency	Valid
PCV20 (216)	8/5/2023	Historical information - from public agency	Valid
PCV20 (216)	2/5/2024	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	4/5/2023	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	6/5/2023	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	8/5/2023	Historical information - from public agency	Valid

The doses listed above shall all be selected by a practitioner for reconciliation so that the SUT will have the patient's complete immunization history.

#### Notes

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

#### **4.4. SNM 4.4.0 - Display SUT vaccination history, includes user-reconciled IIS-provided information**

##### **Test Story**

<b>Description</b>
Display SUT vaccination history which includes user-reconciled IIS-provided information.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.

#### **4.4.1. 4.4.1 - Display SUT vaccination history, includes user-reconciled IIS-provided information**

Test Step Type: SUT\_MANUAL

##### **Test Story**

###### **Description**

The SUT shall display SUT vaccination history which includes user-reconciled IIS-provided information. The SUT displays all of the patient's vaccination history including the 2 vaccines known only to the SUT and the 17 vaccines known to the IIS.

###### **Pre-condition**

The patient's immunization history once only known by the IIS has been compared with the SUT's records by a practitioner.

Daniela Jennifer Wyatt is the practitioner.

###### **Post-Condition**

The patient's immunization forecast is updated.

Go to step 4.5.1

###### **Test Objectives**

To test the ability that the SUT shall display all of the patient's vaccination history including the 2 vaccines known only to the SUT and the 17 vaccines known to the IIS.

###### **Evaluation Criteria**

The following vaccination records of 19 historical vaccines sent to the IIS represent a complete, reconciled vaccination record for the patient. The SUT displays and identifies the source of each record.

Vaccine Given (CVX)	Date	Source	Validity
DTaP-Hib-IPV (120)	4/5/2023	Historical information - from public agency	Valid
DTaP-Hib-IPV (120)	6/5/2023	Historical information - from public agency	Valid
DTaP-Hib-IPV (120)	8/5/2023	Historical information - from public agency	Valid
Hep A, ped/adol, 2 dose (CVX 83)	12/22/2023	Historical information - from other provider	Valid
Hep B, Adol/peds (08)	02/05/2023	Historical information - from other provider	Valid
Hep B, Adol/peds (08)	3/5/2023	Historical information - from public agency	Valid
Hep B, Adol/peds (08)	8/5/2023	Historical information - from public agency	Valid
Hib PRP-OMP (149)	2/5/2024	Historical information - from public agency	Valid
Influenza, injectable, quadrivalent (158)	8/5/2023	Historical information - from public agency	Valid
Influenza, injectable, quadrivalent (158)	9/2/2023	Historical information - from public agency	Valid
MMR	8/5/2023	Historical information - from public agency	Valid
MMRV (94)	2/5/2024	Historical information - from public agency	Invalid
PCV20 (216)	4/5/2023	Historical information - from public agency	Valid
PCV20 (216)	6/5/2023	Historical information - from public agency	Valid
PCV20 (216)	8/5/2023	Historical information - from public agency	Valid
PCV20 (216)	2/5/2024	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	4/5/2023	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	6/5/2023	Historical information - from public agency	Valid
Rotavirus, pentavalent (116)	8/5/2023	Historical information - from public agency	Valid

###### **Notes**

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

## 4.5. SNM 4.5.0 - Re-evaluate patient's immunization forecast

### Test Story

<b>Description</b>
After reconciling IIS provided vaccine records with those in the SUT, the forecast provided by the SUT is updated.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Evaluation Criteria</b>
See test step for details

## **4.5.1. 4.5.1 - Re-evaluate patient's immunization forecast after reconciling IIS-provided vaccine history**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Practitioner shall Re-evaluate patient's immunization forecast after 1) IIS-provided information is reconciled by a user, or 2) patient-provided information is reconciled by a user. After reconciling IIS provided vaccine records with those in the SUT, the forecast provided by the SUT is updated.

#### **Pre-condition**

The patient's immunization history once only known by the IIS has been compared with the SUT's records by a practitioner.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The patient's recently updated vaccine forecast from the SUT is available to a practitioner.

Go to step 4.6.1

#### **Test Objectives**

The SUT displays the immunization forecast performed on the reconciled immunization history containing all vaccine data from the SUT and from the IIS in response to the Step 4.2.1 query. The proctor compares this new forecast to the pre-query forecast shown in step 4.1.1 and confirms the changes for each vaccine listed; two of the vaccines (Hep B and Pneumococcal) are no longer listed in the new forecast as the series for each is now complete.

#### **Evaluation Criteria**

The list of vaccines is being evaluated not the dates listed.

The new SUT forecast displays updated recommended vaccines post-reconciliation:

#### **Pre-forecast vaccines**

DTaP, Tdap or Td  
COVID  
HepA  
Hep B  
Influenza  
MMR  
Polio  
Pneumococcal  
Varicella

#### **Post-forecast vaccines**

DTaP, Tdap or Td  
COVID  
HepA  
  
Influenza  
MMR  
Polio  
  
Varicella

#### **Notes**

The Rotavirus vaccine should not appear in the forecast for children older than 15 weeks who have not been immunized.

RSV is not included in this test plan forecast but may be included in your results-not evaluated.

## 4.6. 4.6.0 - Non Match RSP

### Test Story

<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Evaluation Criteria</b>
See test steps for details.

## **4.6.1. JJS 4.6.1 Not Evaluated-Select Patient: Receive and process outcomes from IIS noting too many matches**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Nurse Daniela Wyatt uses SUT to access the medical records of James John Smith, specifically the area of the record that permits a query to the IIS for evaluated history and forecast.

#### **Pre-condition**

James John Smith has a medical record within the SUT containing demographic data.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

James John Smith's record is selected.

Go to step 4.6.2

#### **Test Objectives**

The SUT is able to select patients for the purpose of performing subsequent actions.

#### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

#### **Notes**

ID Number	6666
First	James
Middle	John
Last	Smith
Suffix	
Date of Birth	04/05/1974
Sex	Male
Race <sup>1</sup>	Black or African American
Ethnicity <sup>1</sup>	Not Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	600 Locust Ln
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 555-0006
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Telephone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>11</sup>	Reminder/recall - any method
Protected? <sup>1</sup>	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility <sup>1</sup>	Not VFC eligible
0	
<sup>1</sup> - If required by the SUT	

## 4.6.2. JJS 4.6.2 Not evaluated: Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS

Test Step Type: SUT\_INITIATOR

### Test Story

#### Description

Nurse, Daniela Wyatt, uses SUT to query James John Smith DOB 4/05/1974, for an evaluated immunization history and forecast.

#### Pre-condition

James John Smith's demographic data are stored within the SUT.

The IIS has multiple people named, "James John Smith" with a date of birth of 04/05/1974 in its database.

Daniela Jennifer Wyatt is the practitioner.

#### Post-Condition

A query for James John Smith's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Go to step 4.6.3 to receive and process RSP from this step.

#### Test Objectives

The SUT is able to query the IIS for patient's of interest.

#### Evaluation Criteria

This is not an evaluated step that must be performed to support other associated steps.

It is anticipated that the message's Query by Parameter (QDP) segment contains the following patient information:

Patient Information	
Element	Data
Patient Name	James John Smith
Mother's Maiden Name	
ID Number	6666
Date/Time of Birth	04/05/1974
Administrative Sex	Male
Patient Address	600 Locust Ln Springfield, OR 97477 USA
Phone Number	(541) 555-0006 (Telephone=PH)
Multiple Birth Indicator	N
Birth Order	1
- Limits the query response to one response (RCP-2.1 = 1)	

### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	QBP	Value-Profile Fixed
MSH-9.2	Trigger Event	Q11	Value-Profile Fixed
MSH-9.3	Message Structure	QBP_Q11	Value-Profile Fixed
MSH-10	Message Control ID	IIP4102	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z44	Value-Test Case Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	OFM	Presence-Configuration
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-22.10	Organization Identifier	197028	Presence-Configuration
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	IIP	Presence-Configuration
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	197027	Presence-Configuration

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	Value-Test Case Fixed
QPD-1.2	Text	Request Evaluated History and Forecast	Value-Test Case Fixed
QPD-1.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY3	Presence-System Generated
QPD-3	Patient List		
QPD-3.1	ID Number	6666	Value-Test Case Fixed
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	Value-Test Case Fixed
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	Value-Test Case Fixed
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Smith	Value-Test Case Fixed
QPD-4.2	Given Name	James	Value-Test Case Fixed
QPD-4.3	Second and Further Given Names or Initials Thereof	John	Presence-Content Indifferent
QPD-4.7	Name Type Code	L	Value-Test Case Fixed
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname		
QPD-5.2	Given Name		
QPD-5.7	Name Type Code		
QPD-6	Patient Date of Birth		
QPD-6.1	Time	19740405	Presence-System Generated
QPD-7	Patient Sex	M	Value-Test Case Fixed
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	600 Locust Ln	Value-Test Case Fixed
QPD-8.2	Other Designation		
QPD-8.3	City	Springfield	Value-Test Case Fixed
QPD-8.4	State or Province	OR	Value-Test Case Fixed
QPD-8.5	Zip or Postal Code	97477	Value-Test Case Fixed
QPD-8.6	Country	USA	Value-Test Case Fixed
QPD-8.7	Address Type	P	Value-Test Case Fixed
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
QPD-9.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	Value-Test Case Fixed
QPD-9.7	Local Number	5550006	Value-Test Case Fixed
QPD-10	Patient Multiple Birth Indicator	N	Value-Test Case Fixed
QPD-11	Patient Birth Order	1	Value-Test Case Fixed

**RCP : Response Control Parameter**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RCR-1	Query Priority	I	Value-Test Case Fixed
RCR-2	Quantity Limited Request		
RCR-2.1	Quantity	1	Value-Test Case Fixed
RCR-2.2	Units		
RCR-2.2.1	Identifier	RD	Value-Profile Fixed
RCR-2.2.2	Text	Records	Presence-Test Case Proper
RCR-2.2.3	Name of Coding System	HL70126	Value-Profile Fixed
RCR-2.2.4	Alternate Identifier		
RCR-2.2.5	Alternate Text		
RCR-2.2.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	James John Smith
Mother's Maiden Name	
ID Number	6666
Date/Time of Birth	04/05/1974
Sex	Male
Patient Address	600 Locust Ln Springfield OR 97477 USA
Patient Phone	(541)555-0006
Birth Indicator	No
Birth Order	1

#### **4.6.3. JJS 4.6.3 - Receive and process outcomes from IIS noting too many clients match the criteria sent query-response**

Test Step Type: TA\_RESPONDER

##### **Test Story**

###### **Description**

After receiving a query for the patient's evaluated history and forecast, the IIS generates and sends an acknowledgment (ACK -- Z33 Profile) message from an IIS that indicates too many matches.

###### **Pre-condition**

A query for James John Smith's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Daniela Jennifer Wyatt is the practitioner.

###### **Post-Condition**

SUT's receives an acknowledgment (ACK -- Z33 Profile) message from an IIS that indicates too many matches.

A SUT user is provided some indication that too many matches were found.

Go to step 4.6.4

###### **Test Objectives**

Tests the ability of the SUT to process a response message that returns too many matches (i.e., no patients are returned for that reason) and to provide an indication to the end user.

###### **Evaluation Criteria**

The SUT shall display a notification indicating that the query for an Evaluated Immunization History and Immunization Forecast is complete but too many matching records were found for the person in the query.

##### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	RSP	
MSH-9.2	Trigger Event	K11	
MSH-9.3	Message Structure	RSP_K11	
MSH-10	Message Control ID	IIP-RSP-3	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z33	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP4102	

**QAK : Query Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QAK-1	Query Tag	IIPQUERY3	
QAK-2	Query Response Status	TM	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	
QAK-3.2	Text	Request Evaluated History and Forecast	
QAK-3.3	Name of Coding System	CDCPHINVS	
QAK-3.4	Alternate Identifier		
QAK-3.5	Alternate Text		
QAK-3.6	Name of Alternate Coding System		

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	
QPD-1.2	Text	Request Evaluated History and Forecast	
QPD-1.3	Name of Coding System	CDCPHINVS	
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY3	
QPD-3	Patient List		
QPD-3.1	ID Number	6666	
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Smith	
QPD-4.2	Given Name	James	
QPD-4.3	Second and Further Given Names or Initials Thereof	John	
QPD-4.7	Name Type Code	L	
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname		
QPD-5.2	Given Name		
QPD-5.7	Name Type Code		
QPD-6	Patient Date of Birth		
QPD-6.1	Time	19740405	
QPD-7	Patient Sex	M	
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	600 Locust Ln	
QPD-8.2	Other Designation		
QPD-8.3	City	Springfield	
QPD-8.4	State or Province	OR	
QPD-8.5	Zip or Postal Code	97477	
QPD-8.6	Country	USA	
QPD-8.7	Address Type	P	
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	
QPD-9.3	Telecommunication Equipment Type	PH	
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	
QPD-9.7	Local Number	5550006	
QPD-10	Patient Multiple Birth Indicator	N	
QPD-11	Patient Birth Order	1	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## Juror Document

Evaluated Immunization History and Immunization Forecast							
Test Case ID	4.6.0 - Non Match RSP						
Juror ID							
Juror Name							
HIT System Tested							
Inspection Date/Time							
Inspection Settlement (Pass/Fail)	<table border="1"><tr><td style="background-color: #ADD8E6;">Pass</td><td style="background-color: #ADD8E6;"></td><td style="background-color: #ADD8E6;">Fail</td></tr><tr><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr></table>	Pass		Fail	<input type="checkbox"/>		<input type="checkbox"/>
Pass		Fail					
<input type="checkbox"/>		<input type="checkbox"/>					
Reason Failed							
Juror Comments							

### DISPLAY/VERIFICATION

This Test Case-specific Juror Document provides a checklist for the Tester to use during certification testing for assessing the EHR technology's ability to display information notifying the HIT user that a Return Acknowledgement with No Person Records Z33 message was received (in response to an Evaluated Immunization History and Immunization Forecast Z44 query message). Additional data from the message or from the EHR are permitted to be displayed by the EHR.

The format of this Juror Document is for ease-of-use by the Tester and does not indicate how the EHR display must be designed.

The data shown in this Juror Document are derived from the test data provided with the given Test Case; equivalent data are permitted to be displayed by the EHR. The column headings are meant to convey the kind of data to be displayed; equivalent labels/column headings are permitted to be displayed by the EHR.

Patient Information				
Patient Identifier	Patient Name	DOB	Gender	Tester Comment
6666	James John Smith	04/05/1974	Male	
When displayed in the EHR with the notification indicating that a Return Acknowledgement with No Person Records Z33 message was received, these patient demographics data are derived from the EHR patient record.				

Evaluated Immunization History and Immunization Forecast	
The EHR shall display a notification indicating that the query for an Evaluated Immunization History and Immunization Forecast is complete but too many matching records were found for the person in the query.	

#### **4.6.4. FMN 4.6.4 Not Evaluated-Select Patient: Receive and process outcomes from IIS noting non match outcomes**

Test Step Type: SUT\_MANUAL

##### **Test Story**

###### **Description**

Nurse Daniela Wyatt uses SUT to access the medical records of Franklin Mayhew Nesbitt, DOB 04/05/1984, specifically the area of the record that permits a query to the IIS for evaluated history and forecast.

###### **Pre-condition**

Daniela Jennifer Wyatt is the practitioner.

Franklin Mayhew Nesbitt's exists in the SUT.

###### **Post-Condition**

Franklin Mayhew Nesbitt's record is selected.

Go to step 4.6.5

###### **Test Objectives**

The SUT is able to select a patient for the purpose of performing subsequent actions.

###### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

###### **Notes**

ID Number	5555
ID Type	Medical record number
First	Franklin
Middle	Mayhew
Last	Nesbitt
Suffix	
Date of Birth	04/05/1984
Sex	Male
Race <sup>1</sup>	Asian
Ethnicity <sup>1</sup>	Not Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	400 Fir Rd.
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 555-1209
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Telephone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>1</sup>	Reminder/recall - any method
Protected? <sup>1</sup>	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility <sup>1</sup>	Not VFC eligible
<sup>1</sup> - If required by the SUT	

## 4.6.5. FMN 4.6.5 Not evaluated: Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS

Test Step Type: SUT\_INITIATOR

### Test Story

#### Description

Nurse, Daniela Wyatt, uses SUT to query Franklin Mayhew Nesbitt evaluated immunization history and forecast.

#### Pre-condition

Franklin Mayhew Nesbitt's demographic data are stored within the SUT.

Daniela Jennifer Wyatt is the practitioner.

#### Post-Condition

A query for Franklin Mayhew Nesbitt's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.

Go to step 4.6.6 to receive and process RSP from this step.

#### Test Objectives

The SUT is able to query the IIS for a patient's immunization and forecast.

#### Evaluation Criteria

This is not an evaluated step that must be performed to support other associated steps.

It is anticipated that the message's Query by Parameter (QDP) segment contains the following patient information:

Patient Information	
Element	Data
Patient Name	Franklin Mayhew Nesbitt
Mother's Maiden Name	
ID Number	5555
Date/Time of Birth	04/05/1974
Administrative Sex	Male
Patient Address	400 Fir Rd. Springfield, OR 97477 USA
Phone Number	(541) 000-1209 (Telephone=PH)
Multiple Birth Indicator	N
Birth Order	1
- Limits the query response to one response (RCP-2.1 = 1)	

### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	QBP	Value-Profile Fixed
MSH-9.2	Trigger Event	Q11	Value-Profile Fixed
MSH-9.3	Message Structure	QBP_Q11	Value-Profile Fixed
MSH-10	Message Control ID	IIP4102	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z44	Value-Test Case Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	OFM	Presence-Configuration
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-22.10	Organization Identifier	197028	Presence-Configuration
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	IIP	Presence-Configuration
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	197027	Presence-Configuration

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	Value-Test Case Fixed
QPD-1.2	Text	Request Evaluated History and Forecast	Value-Test Case Fixed
QPD-1.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY4	Presence-System Generated
QPD-3	Patient List		
QPD-3.1	ID Number	5555	Value-Test Case Fixed
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	Value-Test Case Fixed
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	Value-Test Case Fixed
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Nesbitt	Value-Test Case Fixed
QPD-4.2	Given Name	Franklin	Value-Test Case Fixed
QPD-4.3	Second and Further Given Names or Initials Thereof	Mayhew	Presence-Content Indifferent
QPD-4.7	Name Type Code	L	Value-Test Case Fixed
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname		
QPD-5.2	Given Name		
QPD-5.7	Name Type Code		
QPD-6	Patient Date of Birth		
QPD-6.1	Time	19840405	Presence-System Generated
QPD-7	Patient Sex	M	Value-Test Case Fixed
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	400 Fir Rd.	Value-Test Case Fixed
QPD-8.2	Other Designation		
QPD-8.3	City	Springfield	Value-Test Case Fixed
QPD-8.4	State or Province	OR	Value-Test Case Fixed
QPD-8.5	Zip or Postal Code	97477	Value-Test Case Fixed
QPD-8.6	Country	USA	Value-Test Case Fixed
QPD-8.7	Address Type	P	Value-Test Case Fixed
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
QPD-9.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	Value-Test Case Fixed
QPD-9.7	Local Number	5551209	Value-Test Case Fixed
QPD-10	Patient Multiple Birth Indicator	N	Value-Test Case Fixed
QPD-11	Patient Birth Order	1	Value-Test Case Fixed

**RCP : Response Control Parameter**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RCR-1	Query Priority	I	Value-Test Case Fixed
RCR-2	Quantity Limited Request		
RCR-2.1	Quantity	1	Value-Test Case Fixed
RCR-2.2	Units		
RCR-2.2.1	Identifier	RD	Value-Profile Fixed
RCR-2.2.2	Text	Records	Presence-Test Case Proper
RCR-2.2.3	Name of Coding System	HL70126	Value-Profile Fixed
RCR-2.2.4	Alternate Identifier		
RCR-2.2.5	Alternate Text		
RCR-2.2.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Franklin Mayhew Nesbitt
Mother's Maiden Name	
ID Number	5555
Date/Time of Birth	04/05/1984
Sex	Male
Patient Address	400 Fir Rd. Springfield OR 97477 USA
Patient Phone	(541)555-1209
Birth Indicator	No
Birth Order	1

## **4.6.6. FMN 4.6.6 - Receive and process outcomes from IIS noting no clients match the criteria sent within the query from the SUT**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b> The IIS performs a search for Franklin Mayhew Nesbitt and does not find a high-confidence match. The IIS returns a response message indicating no person found in the querying system.
<b>Pre-condition</b> No data exists in the IIS database for Franklin Mayhew Nesbitt  A query for Franklin Mayhew Nesbitt's evaluated immunization history and forecast (profile Z44 message) has been sent from the SUT to the IIS.  Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b> The response message is processed and an SUT user is alerted to fact of no matches.  Go to step 3.14.1
<b>Test Objectives</b> Test the ability of the SUT to process a response message that returns no persons found and to provide an indication to the end user.
<b>Evaluation Criteria</b> The SUT shall display a notification indicating that the query for an Evaluated Immunization History and Immunization Forecast is complete but no matching records were found for the person in the query.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405093021-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	RSP	
MSH-9.2	Trigger Event	K11	
MSH-9.3	Message Structure	RSP_K11	
MSH-10	Message Control ID	IIP-RSP-3	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z33	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP4102	

**QAK : Query Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QAK-1	Query Tag	IIPQUERY4	
QAK-2	Query Response Status	NF	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	
QAK-3.2	Text	Request Evaluated History and Forecast	
QAK-3.3	Name of Coding System	CDCPHINVS	
QAK-3.4	Alternate Identifier		
QAK-3.5	Alternate Text		
QAK-3.6	Name of Alternate Coding System		

**QPD : Query Parameter Definition**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	
QPD-1.2	Text	Request Evaluated History and Forecast	
QPD-1.3	Name of Coding System	CDCPHINVS	
QPD-1.4	Alternate Identifier		
QPD-1.5	Alternate Text		
QPD-1.6	Name of Alternate Coding System		
QPD-2	Query Tag	IIPQUERY4	
QPD-3	Patient List		
QPD-3.1	ID Number	5555	
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	IIP-MPI-1	
QPD-3.4.2	Universal ID		
QPD-3.4.3	Universal ID Type		
QPD-3.5	Identifier Type Code	MR	
QPD-4	Patient Name		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Nesbitt	
QPD-4.2	Given Name	Franklin	
QPD-4.3	Second and Further Given Names or Initials Thereof	Mayhew	
QPD-4.7	Name Type Code	L	
QPD-5	Patient Mother Maiden Name		
QPD-5.1	Family Name		
QPD-5.1.1	Surname		
QPD-5.2	Given Name		
QPD-5.7	Name Type Code		
QPD-6	Patient Date of Birth		
QPD-6.1	Time	19840405	
QPD-7	Patient Sex	M	
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	400 Fir Rd.	
QPD-8.2	Other Designation		
QPD-8.3	City	Springfield	
QPD-8.4	State or Province	OR	
QPD-8.5	Zip or Postal Code	97477	
QPD-8.6	Country	USA	
QPD-8.7	Address Type	P	
QPD-9	Patient Home Phone		
QPD-9.2	Telecommunication Use Code	PRN	
QPD-9.3	Telecommunication Equipment Type	PH	
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	541	
QPD-9.7	Local Number	5551209	
QPD-10	Patient Multiple Birth Indicator	N	
QPD-11	Patient Birth Order	1	

## Test Data Specification

### Patient Information

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## Juror Document

Evaluated Immunization History and Immunization Forecast							
Test Case ID	4.6.0 - Non Match RSP						
Juror ID							
Juror Name							
HIT System Tested							
Inspection Date/Time							
Inspection Settlement (Pass/Fail)	<table border="1"><tr><td style="background-color: #ADD8E6;">Pass</td><td style="background-color: #ADD8E6;"></td><td style="background-color: #ADD8E6;">Fail</td></tr><tr><td><input type="checkbox"/></td><td></td><td><input type="checkbox"/></td></tr></table>	Pass		Fail	<input type="checkbox"/>		<input type="checkbox"/>
Pass		Fail					
<input type="checkbox"/>		<input type="checkbox"/>					
Reason Failed							
Juror Comments							

### DISPLAY/VERIFICATION

This Test Case-specific Juror Document provides a checklist for the Tester to use during certification testing for assessing the EHR technology's ability to display information notifying the HIT user that a Return Acknowledgement with No Person Records Z33 message was received (in response to an Evaluated Immunization History and Immunization Forecast Z44 query message). Additional data from the message or from the EHR are permitted to be displayed by the EHR.

The format of this Juror Document is for ease-of-use by the Tester and does not indicate how the EHR display must be designed.

The data shown in this Juror Document are derived from the test data provided with the given Test Case; equivalent data are permitted to be displayed by the EHR. The column headings are meant to convey the kind of data to be displayed; equivalent labels/column headings are permitted to be displayed by the EHR.

Patient Information				
Patient Identifier	Patient Name	DOB	Gender	Tester Comment
5555	Franklin Mayhew Nesbitt	04/05/1984	Male	

When displayed in the EHR with the notification indicating that a Return Acknowledgement with No Person Records Z33 message was received, these patient demographics data are derived from the EHR patient record.

Evaluated Immunization History and Immunization Forecast	
The EHR shall display a notification indicating that the query for an Evaluated Immunization History and Immunization Forecast is complete but no matching records were found for the person in the query.	

## 5. 5.0.0 - Capability: Transmission & Acknowledgment

### Test Story

#### Description

The SUT supports the ability to send newly documented patient immunization records to the IIS.

#### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

#### Evaluation Criteria

See test step for details.

## 5.1. LGD 5.1.0 - Transmit newly recorded immunization records to IIS

### Test Story

<b>Description</b>
The SUT supports the ability to send newly documented patient immunization records to the IIS.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Evaluation Criteria</b>
See test step for details. Use <a href="#">HIMSS IIP Test Plan v11.0 Job Aid</a> for DOB, vaccination dates, effective dates, VIS presentation dates, forecast dates.
Located in NIST under User Documentation

## **5.1.1. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

**ORC[\*]**  
**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## 5.1.2. 5.2.1 - Receive and process acknowledgment messages from IIS

Test Step Type: TA\_RESPONDER

### Test Story

#### Description

SUT is able to Receive and process acknowledgment messages from an IIS that indicate there were no errors found during the course of processing the patient immunization record.

#### Pre-condition

The SUT has transmitted administered vaccine.

Daniela Jennifer Wyatt is the practitioner.

#### Post-Condition

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to the Step 5.1.1

#### Test Objectives

To test the ability that the SUT is able to Receive and process acknowledgment messages from an IIS that indicate there were no errors found during the course of processing the patient immunization record.

#### Evaluation Criteria

The acknowledgement message AA is visible in the SUT, the system responsible for the content of the transmission message.

### Message Contents

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-1	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## **5.1.3. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.1.4. 5.2.2 - Receive and process acknowledgment messages from IIS returned with an error (E)**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to receive and process acknowledgment messages from an IIS that indicate an error was found during the course of processing the patient immunization record. The IIS has a mapping error in their NDC table and is unable to recognize the NDC code sent in RXA-5 even though it is valid. The IIS is unable to identify the appropriate vaccine and will not load the vaccine data.

#### **Pre-condition**

The SUT has transmitted administered vaccine record(s).

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 5.1.1

#### **Test Objectives**

To test the ability of the SUT for Error Handling Support for a fatal error returned by the IIS, and the ability of the SUT to display and inform the end user.

See: <https://repository.immregistries.org/resource/guidance-for-hl7-acknowledgement-messages-to-support-interoperability/>

#### **Evaluation Criteria**

The error returned in the acknowledgement message (AE) with an error severity of (E) is visible in the SUT, the system responsible for the content of the transmission message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP-IIS-APP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name		
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AE	
MSA-2	Message Control ID	IIP-Transmit-2	

**ERR : Error**

Location	Data Element	Data	Categorization
ERR-2	Error Location		
ERR-2.1	Segment ID	RXA	
ERR-2.2	Segment Sequence	1	
ERR-2.3	Field Position	5	
ERR-2.4	Field Repetition	4	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	103	
ERR-3.2	Text	Application error	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	E	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Table value not found	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	Fields conflict	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	NDC not recognized - data was not saved.	

**Test Data Specification****Patient Information**

Element	Data
This information will be automatically supplied by the System	

## **5.1.5. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXCS0	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.1.6. 5.2.3 - Receive and process acknowledgment messages from IIS returned with an warning (W)**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to Receive and process acknowledgment messages from an IIS that indicate a warning was found during the course of processing the patient immunization record. A mapping error in the IIS software results in the IIS being unable to recognize the administration sites sent in RXR-2 even though it is valid. The acknowledgement message returned contains a warning for an invalid value, the message was accepted but the value will not be saved.

#### **Pre-condition**

The SUT has transmitted administered vaccine.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 5.1.1

#### **Test Objectives**

To test the ability of the SUT for Error Handling Support for a warning returned by the IIS, and the ability of the SUT to display and inform the end user.

See: <https://repository.immregistries.org/resource/guidance-for-hl7-acknowledgement-messages-to-support-interoperability/>

#### **Evaluation Criteria**

The warning returned in the acknowledgment message (AE)with an error severity of (W) is visible in the SUT, the system responsible for the content of the transmission message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AE	
MSA-2	Message Control ID	IIP-Transmit-4	

**ERR : Error**

Location	Data Element	Data	Categorization
ERR-2	Error Location		
ERR-2.1	Segment ID	RXR	
ERR-2.2	Segment Sequence	2	
ERR-2.3	Field Position	1	
ERR-2.4	Field Repetition	1	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	103	
ERR-3.2	Text	Table value not found	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	W	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Table value not found	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	Fields conflict	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	Administration Site not recognized - site data will not be saved	

**Test Data Specification****Patient Information**

Element	Data
This information will be automatically supplied by the System	

## **5.1.7. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXCS0	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdcs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.1.8. 5.2.4 - Receive and process acknowledgment messages from IIS returned with an informational warning (I)**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to receive and process acknowledgment messages from an IIS that indicate an informational warning was found during the course of processing the patient immunization record. A mapping error in the IIS software results in the IIS being unable to recognize the patient's county. The message was accepted but the value will not be saved.

#### **Pre-condition**

The SUT has transmitted administered vaccine.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 5.1.1

#### **Test Objectives**

To test the ability of the SUT for Error Handling Support for an informational warning returned by the IIS, and the ability of the SUT to display and inform the end user.

See: <https://repository.immregistries.org/resource/guidance-for-hl7-acknowledgement-messages-to-support-interoperability/>

#### **Evaluation Criteria**

The informational warning returned in the acknowledgment message (AA) with an error severity of (I) is visible in the SUT, the system responsible for the content of the transmission message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-3	

**ERR : Error**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ERR-2	Error Location		
ERR-2.1	Segment ID	PID	
ERR-2.2	Segment Sequence	11	
ERR-2.3	Field Position	9	
ERR-2.4	Field Repetition	1	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	103	
ERR-3.2	Text	Table value not found	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	I	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Application internal error	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	Fields conflict	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	IIS Mapping Error - County Code will not load	

**Test Data Specification****Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## **5.1.9. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.1.10. 5.2.5 - Receive and process acknowledgment messages from IIS returned with multiple warnings (W)**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to receive and process acknowledgment messages from an IIS that indicate multiple warnings were found during the course of processing the patient immunization record. A mapping error in the IIS software results in the IIS being unable to recognize the administration route and site sent in the associated RXR-1 and RXR 2 segments even though they are valid. The acknowledgment message returned contains warnings for an invalid value. The message was accepted but the value will not be saved.

#### **Pre-condition**

The SUT has transmitted two administered vaccines.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 5.1.1

#### **Test Objectives**

To test the ability of the SUT for Error Handling Support for multiple warnings returned by the IIS, and the ability of the SUT to display and inform the end user.

See: <https://repository.immregistries.org/resource/guidance-for-hl7-acknowledgement-messages-to-support-interoperability/>

#### **Evaluation Criteria**

The two warnings returned in the acknowledgment message (AE) with an error severity of (W) are visible in the SUT, the system responsible for the content of the transmission message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AE	
MSA-2	Message Control ID	IIP-Transmit-5	

ERR[\*]

ERR : Error

Location	Data Element	Data	Categorization
ERR-2	Error Location		
ERR-2.1	Segment ID	RXR	
ERR-2.2	Segment Sequence	1	
ERR-2.3	Field Position	1	
ERR-2.4	Field Repetition	1	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	103	
ERR-3.2	Text	Table value not found	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	W	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Table value not found	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	Fields conflict	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	Administration Route not recognized - data will not be saved	

ERR : Error

Location	Data Element	Data	Categorization
ERR-2	Error Location		
ERR-2.1	Segment ID	RXR	
ERR-2.2	Segment Sequence	2	
ERR-2.3	Field Position	1	
ERR-2.4	Field Repetition	1	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	103	
ERR-3.2	Text	Table value not found	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	W	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Table value not found	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	Fields conflict	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	Administration Site not recognized - site data will not be saved	

## Test Data Specification

### Patient Information

Element	Data
This information will be automatically supplied by the System	

## **5.1.11. 5.1.1 - Transmit newly recorded administered vaccine documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **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 (Prevnar 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	<a href="#">Use the HIMSS IIP Test Plan v11.0 Job Aid</a> 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
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
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405131011-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-1	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Value-Test Case Fixed
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Value-Test Case Fixed
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Value-Test Case Fixed
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1111	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2222	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1112	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2223	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1113	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2224	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-43	Value-Test Case Fixed
RXA-5.2	Text	PEDIARIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	110	Value-Test Case Fixed
RXA-5.5	Alternate Text	DTaP-Hep B-IPV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN01	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	49281-0547-58	Value-Test Case Fixed
RXA-5.2	Text	ActHIB	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	48	Value-Test Case Fixed
RXA-5.5	Alternate Text	ActHIB	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN05	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0740-02	Value-Test Case Fixed
RXA-5.2	Text	Rotarix	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	119	Value-Test Case Fixed
RXA-5.5	Alternate Text	rotavirus, monovalent	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	1	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN07	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO68	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C38288	Value-Test Case Fixed
RXR-1.2	Text	ORAL	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier		
RXR-2.2	Text		
RXR-2.3	Name of Coding System		
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300026411230724	Value-Test Case Fixed
OBX-5.2	Text	Multi Pediatric Vaccines VIS - 07/24/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300006611210806	Value-Test Case Fixed
OBX-5.2	Text	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXCS0	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300019611211015	Value-Test Case Fixed
OBX-5.2	Text	Rotavirus Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	PEDIARIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN01
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Multi Pediatric Vaccines VIS - 07/24/2023
Date Vaccine Information Statement Presented	04/05/2024

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ActHIB
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela 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
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Haemophilus Influenzae type b (Hib) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Rotarix
Date/Time Start of Administration	04/05/2024
Administered Amount	1
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN07
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	ORAL
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Rotavirus Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

### Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO68
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.1.12. 5.2.6 - Receive and process acknowledgment messages from IIS returned with an error (E)**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to receive and process acknowledgment messages from IIS, indicating a fatal system error due to the inability to process the entire message. The message was rejected, no data was saved.

#### **Pre-condition**

The SUT has transmitted administered vaccine record(s).

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 5.3.1

#### **Test Objectives**

To test the ability of the SUT for Error Handling Support for a fatal error returned by the IIS, and the ability of the SUT to display and inform the end user.

See: <https://repository.immregistries.org/resource/guidance-for-hl7-acknowledgement-messages-to-support-interoperability/>

#### **Evaluation Criteria**

The error returned in the acknowledgment message (AR) with an error severity of (E) is visible in the SUT, the system responsible for the content of the transmission message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240115083738-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AR	
MSA-2	Message Control ID	IIP-Transmit-2	

**ERR : Error**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ERR-2	Error Location		
ERR-2.1	Segment ID	RXA	
ERR-2.2	Segment Sequence	1	
ERR-2.3	Field Position	5	
ERR-2.4	Field Repetition	4	
ERR-2.5	Component Number		
ERR-2.6	Sub-Component Number		
ERR-3	HL7 Error Code		
ERR-3.1	Identifier	207	
ERR-3.2	Text	Application internal error	
ERR-3.3	Name of Coding System	HL70357	
ERR-3.5	Alternate Text		
ERR-3.6	Name of Alternate Coding System		
ERR-4	Severity	E	
ERR-5	Application Error Code		
ERR-5.1	Identifier	5	
ERR-5.2	Text	Unable to be processed	
ERR-5.3	Name of Coding System	HL70533	
ERR-5.5	Alternate Text	System Error	
ERR-5.6	Name of Alternate Coding System	L	
ERR-8	User Message	Message unable to be processed for reasons unrelated to format or content- message rejected	

**Test Data Specification****Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 5.2. LGD 5.3.0 - Update Vaccine Record

### Test Story

#### Description

The SUT supports the ability to send updated patient immunization records to the IIS.

#### Comments

Please use the job aid located here: [HIMSS IIP Test Plan v11.0 Job Aid](#)

Located in NIST under User Documentation

#### Pre-condition

Daniela Jennifer Wyatt is the practitioner.

#### Post-Condition

Go to step 5.3.1 to transmit update to lot number

#### Evaluation Criteria

See test step for details.

## **5.2.1. 5.3.1 - Document update to vaccine record with correct lot number manually keyed within the SUT**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

In Step 3.7.1 the administering practitioner manually keys in the wrong lot number. The practitioner realizes this after the vaccine record has been completed in the SUT and transmitted to IIS. The practitioner reopens the record and correctly enters the lot number of LLBUAYM06 to update the record.

#### **Pre-condition**

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

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

The lot number documented in the administration record for Prevnar 20 is incorrect as LLBUAYMO68

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

To test the ability that the SUT displays a corrected lot number for a newly administered vaccine dose recorded in the SUT.

The correct lot number is LLBUAYMO6

Go to step 5.3.2 to submit the update VXU from this step.

#### **Test Objectives**

To test the ability of the SUT that updates to vaccine record details are allowed in the SUT and are visible to the user.

#### **Evaluation Criteria**

The SUT is able to reopen closed vaccine records to update/modify incorrectly documented vaccine details.

The vaccine record is updated with the correct lot number using the details below:

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	Patient DOB from Job Aid
Protection Indicator	No
Protection Indicator Effective Date	Patient DOB from Job Aid
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 - 4 update	
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	LLBUAYMO6
Substance Expiration Date	9/27/2029
Substance Manufacturer Name	Pfizer, Inc
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Update
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Ramon Michael Bradshaw
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>

## **5.2.2. 5.3.2 - Transmit update VXU to newly administered vaccine (previously sent) with correct lot number manually keyed, documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

In Step 3.7.1 the administering practitioner manually keys in the wrong lot number. The practitioner realizes this after the vaccine record has been completed in the SUT and transmitted to IIS. The practitioner reopens the record and correctly enters the lot number to update the record.

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.

#### **Pre-condition**

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

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

The vaccine administration has been updated to reflect the correct lot number that was previously incorrectly typed in and submitted.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The SUT and the IIS displays a corrected lot number for a newly administered vaccine dose recorded in the SUT.

Go to step 5.3.3 to receive and process ACK from this step.

#### **Test Objectives**

To test the ability that the SUT is able to send newly administered 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.

#### **Evaluation Criteria**

The IIS received a single VXU message with an RXA segment containing an action code of "U" from the SUT for newly administered vaccine dose recorded in the SUT with an updated lot number.

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.

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.

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	Patient DOB from Job Aid
Protection Indicator	No
Protection Indicator Effective Date	Patient DOB from Job Aid
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 - 4 update	
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	LLBUAYMO6
Substance Expiration Date	9/27/2029
Substance Manufacturer Name	Pfizer, Inc
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Update
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Ramon Michael Bradshaw
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>

## Message Contents

MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405111559-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-6	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Presence-Content Indifferent
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
NK1-5[2].4	Email Address	IIPMP@gmail.com	Presence-Content Indifferent
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Value-Test Case Fixed
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

## ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1114	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2225	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00005-2000-01	Value-Test Case Fixed
RXA-5.2	Text	Prevnar 20	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	216	Value-Test Case Fixed
RXA-5.5	Alternate Text	Pneumococcal conjugate PCV20, polysaccharide CRM197 conjugate, adjuvant, PF	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	LLBUAYMO6	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	PMC	Value-Test Case Fixed
RXA-17.2	Text	sanofi pasteur	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	U	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## OBX[\*]

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXCS0	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V04	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - American Indian/Alaskan Native	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300049311230512	Value-Test Case Fixed
OBX-5.2	Text	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party[\*]

#### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

#### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

## Vaccine Administration Information

Element	Data
Administered Vaccine	Prevnar 20
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	LLBUAYMO6
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Update
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	VFC eligible - American Indian/Alaskan Native
Document type	Pneumococcal Conjugate Vaccine (PCV13_PCV15_PCV20) VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.2.3. 5.3.3 - Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b>
SUT is able to Receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b>
The SUT has transmitted administered vaccine update. Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
An acknowledgement (ACK Z23) is received and processed by the SUT. Go to step 3.8.1
<b>Test Objectives</b>
The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b>
This is not an evaluated step that must be performed to support other associated steps.  The acknowledgment message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-6	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

### **5.3. LGD 5.4.0 - Transmit newly recorded historical immunization records to IIS**

#### **Test Story**

##### **Description**

The SUT supports the ability to transmit newly documented historical immunization records to the IIS.

##### **Pre-condition**

Daniela Jennifer Wyatt is the practitioner.

##### **Evaluation Criteria**

See test step for details.

### 5.3.1. 5.4.1 - Transmit newly recorded historical vaccine documented within the SUT to the IIS

Test Step Type: SUT\_INITIATOR

#### Test Story

##### Description

Supports test step 3.2.1 This includes a dose of newly recorded historical vaccine.

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.

##### Pre-condition

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

Lance Gaige Duncan Jr.'s DOB: ([Please 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) hospital paper medical record reflects a dose of hepatitis B was received.

Daniela Jennifer Wyatt is the practitioner.

##### Post-Condition

Lance Gaige Duncan Jr.'s SUT record reflects a dose of hepatitis B was received on Date/Time of Birth. This dose is noted/labeled as 'historical'.

The vaccine forecast for Lance Gaige Duncan Jr.'s has been updated (the patient's vaccination history now reflects a prior dose of hepatitis B vaccine) and recommends a subsequent dose of hepatitis B vaccine at an appropriate interval from the prior dose.)

Go to step 5.4.2 to receive and process ACK from this step.

##### 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**.

##### Evaluation Criteria

The IIS received a single VXU message with an RXA segment from the SUT containing historical 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.

Patient Information	
Element	Data
Patient Name	Lance Gaige Duncan, Jr.
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	Please use the <a href="#">HIMSS IIP Test Plan v11.0 Job Aid</a> 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	Patient DOB from Job Aid
Protection Indicator	No
Protection Indicator Effective Date	Patient DOB from Job Aid
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 (Historical Entry)	
Element	Data
Administered Vaccine	hepatitis B vaccine, unspecified formulation
Date/Time Start of Administration	Please use the HIMSS IIP Test Plan v11.0 Job Aid
Administered Amount	
Administered Units	
Administration Notes	Historical information - from other provider
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add/Insert
Route	
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Jennifer Wyatt
Ordered By	

#### 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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405111648-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-10	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	1111	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Duncan	Value-Test Case Fixed
PID-5.2	Given Name	Lance	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Gaige	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	King	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20240215	Presence-Content Indifferent
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	1002-5	Value-Test Case Fixed
PID-10.2	Text	American Indian or Alaska Native	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
PID-11.2	Other Designation	Unit A	Value-Test Case Fixed
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13[1]	Phone Number - Home		
PID-13[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13[1].4	Email Address		
PID-13[1].6	Area/City Code	541	Value-Test Case Fixed
PID-13[1].7	Local Number	5551111	Value-Test Case Fixed
PID-13[2]	Phone Number - Home		
PID-13[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
PID-13[2].3	Telecommunication Equipment Type	X.400	Value-Profile Fixed
PID-13[2].4	Email Address	IIPMP@gmail.com	Presence-Content Indifferent
PID-13[2].6	Area/City Code		
PID-13[2].7	Local Number		
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NKI[\*]**
**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Ingrid	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Stacy	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Indifferent
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5[1]	Phone Number		
NK1-5[1].2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5[1].3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5[1].4	Email Address		
NK1-5[1].6	Area/City Code	541	Value-Test Case Fixed
NK1-5[1].7	Local Number	5551111	Value-Test Case Fixed
NK1-5[2]	Phone Number		
NK1-5[2].2	Telecommunication Use Code	NET	Value-Test Case Fixed
NK1-5[2].3	Telecommunication Equipment Type	X.400	Presence-Test Case Proper
NK1-5[2].4	Email Address	IIPMP@gmail.com	Presence-Content Indifferent
NK1-5[2].6	Area/City Code		
NK1-5[2].7	Local Number		

## NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	2	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Duncan	Value-Test Case Fixed
NK1-2.2	Given Name	Simon	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Isaiah	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	FTH	Value-Test Case Fixed
NK1-3.2	Text	Father	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	749 Evergreen Ter.	Value-Test Case Fixed
NK1-4.2	Other Designation	Unit A	Indifferent
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551233	Value-Test Case Fixed

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1115	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2226	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname		
ORC-12.3	Given Name		
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code		
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**RXA : Pharmacy/Treatment Administration**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	45	Value-Test Case Fixed
RXA-5.2	Text	Hep B, unspecified formulation	Presence-Test Case Proper
RXA-5.3	Name of Coding System	CVX	Value-Profile Fixed
RXA-5.4	Alternate Identifier		Indifferent
RXA-5.5	Alternate Text		Indifferent
RXA-5.6	Name of Alternate Coding System		Indifferent
RXA-6	Administered Amount	999	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	02	Value-Test Case Fixed
RXA-9.2	Text	Historical information - from other provider	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID		
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number		
RXA-16	Substance Expiration Date		
RXA-16.1	Time		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

**Test Data Specification**

## Patient Information

Element	Data
Patient Name	Lance Gaige Duncan
Mother's Maiden Name	King
ID Number	1111
Date/Time of Birth	02/15/2024
Administrative Sex	Male
Patient Address	749 Evergreen Ter. Springfield OR 97477 USA
Local Number	(541)555-1111
Email	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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

## Guardian or Responsible Party[\*]

### Guardian or Responsible Party

Element	Data
Name	Ingrid Stacy Duncan
Relationship	Mother
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1111
Phone Number	

### Guardian or Responsible Party

Element	Data
Name	Simon Isaiah Duncan
Relationship	Father
Address	749 Evergreen Ter. Springfield OR 97477 USA
Phone Number	(541)555-1233

### Vaccine Administration Information

Element	Data
Administered Vaccine	Hep B, unspecified formulation
Date/Time Start of Administration	04/05/2024
Administered Amount	999
Administered Units	
Administration Notes	Historical information - from other provider
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	

## **5.3.2. 5.4.2 - Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

#### **Description**

SUT is able to Receive and process acknowledgment messages from an IIS that indicate there were no errors found during the course of processing the patient immunization record.

#### **Pre-condition**

The SUT has transmitted administered vaccine.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

An acknowledgement (ACK Z23) is received and processed by the SUT.

Go to step 3.3.1

#### **Test Objectives**

The SUT is able to receive an acknowledgment in response to VXU transmissions.

#### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

The acknowledgment message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-10	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 5.4. DCM 5.5.0 - Transmit Hep A and Hep A Delete

### Test Story

<b>Description</b>
The SUT supports the ability to transmit newly documented refused immunizations to the IIS.
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Evaluation Criteria</b>
See test step for details.

## **5.4.1. 5.5.1 - Transmit VXU for newly documented as administered, Hep A vaccination that was actually refused**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

In Step 3.14.2, Dr. Ramon Bradshaw recommends that Deborah McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay declines the recommendation and refuses the vaccine for Deborah. The Administering practitioner incorrectly documents the administration of the Hep A vaccine in the SUT instead of a refusal in Step 3.14.3.

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.

#### **Pre-condition**

Deborah McKay exists in the SUT and the practitioner pre-documents the vaccine administration.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

Hep A Vaccine Administration is visible in the SUT and the IIS.

Go to step 5.5.2 to receive and process ACK from this step.

#### **Test Objectives**

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

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 multiple birth indicator and birth order.

#### **Evaluation Criteria**

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.

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.

Patient Information	
Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder
ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR, 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2
Immunization Registry Information	
Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	1/26/2024
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	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR, 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)
Vaccine Administration Information - 1	
Element	Data
Administered Vaccine	HAVRIX 58160-0825-43
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	IIPVAXN11
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	SKB
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

## 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>

## Message Contents

MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405115806-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-8	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	4444	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	McKay	Value-Test Case Fixed
PID-5.2	Given Name	Deborah	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Charlotte	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	Schroeder	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20230205	Presence-Content Indifferent
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2054-5	Value-Test Case Fixed
PID-10.2	Text	Black or African American	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5551236	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	Y	Value-Test Case Fixed
PID-25	Birth Order	2	Value-Test Case Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	McKay	Value-Test Case Fixed
NK1-2.2	Given Name	Angeline	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Ingrid	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551236	Value-Test Case Fixed

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1116	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2227	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0825-43	Value-Test Case Fixed
RXA-5.2	Text	HAVRIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	83	Value-Test Case Fixed
RXA-5.5	Alternate Text	Hep A, ped/adol, 2 dose	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN11	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

**RXR : Pharmacy/Treatment Route**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**
**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Value-Test Case Fixed
OBX-5.2	Text	Private funds	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V01	Value-Test Case Fixed
OBX-5.2	Text	Not VFC eligible	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	
OBX-17.2	Text	Eligibility captured at the immunization level	
OBX-17.3	Name of Coding System	CDCPHINVS	
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300004211211015	Value-Test Case Fixed
OBX-5.2	Text	Hepatitis A Vaccine VIS- 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cddgs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder
ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR 97477 USA
Local Number	(541)555-1236
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2

### Immunization Registry Information

Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party

Element	Data
Name	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR 97477 USA
Phone Number	(541)555-1236

### Vaccine Administration Information

Element	Data
Administered Vaccine	HAVRIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN11
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Private funds
Vaccine funding program eligibility category	Not VFC eligible
Document type	Hepatitis A Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

## **5.4.2. 5.5.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b>
SUT is able to Receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b>
The SUT has transmitted administered vaccine. Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
An acknowledgement (ACK Z23) is received and processed by the SUT. Go to step 5.5.3
<b>Test Objectives</b>
The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b>
This is not an evaluated step that must be performed to support other associated steps.  The acknowledgment message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-8	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## **5.4.3. 5.5.3 - Transmit delete VXU for newly documented as administered, Hep A vaccination that was actually refused**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

In Step 3.14.2, Dr. Ramon Bradshaw recommends that Deborah McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay declines the recommendation and refuses the vaccine for Deborah. The Administering practitioner incorrectly documents the administration of the Hep A vaccine in the SUT instead of a refusal.

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.

#### **Pre-condition**

Debroah McKay exists in the SUT and the practitioner pre-documents the vaccine administration.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

Hep A Vaccine Administration is no longer visible in the SUT or the IIS.

Go to step 5.5.4 to receive and process ACK from this step.

#### **Test Objectives**

To test the ability that the SUT allows users to submit vaccine administration deletes.

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.

#### **Evaluation Criteria**

The IIS received a single VXU message with an RXA segment containing an action code of "D" from the SUT for newly administered vaccine dose recorded in the SUT.

The UI may not show the codes reference but the SUT SHALL show there is underlying code to support transmission to the IIS as coded data with the RXA Completion status of Delete (D)

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.

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.

Patient Information	
Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder
ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR, 97477 USA
Local Number	(541) 555-1236 (Telephone=PH)
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2

Immunization Registry Information	
Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	1/26/2024
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	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR, 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)
Vaccine Administration Information - 1	
Element	Data
Administered Vaccine	HAVRIX 58160-0825-43
Date/Time Start of Administration	Today's date
Administered Amount	0.5
Administered Units	mL
Administration Notes	00 New Immunization Record (NIP001)
Administering Provider	Daniela Jennifer Wyatt
Substance Lot Number	IIPVAXN11
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	SKB
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Delete
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Jennifer Wyatt
Ordered By	Ramon Michael Bradshaw

### Notes

IIP has determined that, from a regulatory/program perspective, a SUT should not be required to be able to generate delete messages with the Vaccine Funding Source OBX segment for IIP testing. For IIP purposes, testers may ignore the error notification generated by the NIST IIP Immunization Test Suite when this segment is missing.

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>

### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405132256-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-8	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	4444	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	McKay	Value-Test Case Fixed
PID-5.2	Given Name	Deborah	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Charlotte	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	Schroeder	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20230205	Presence-Content Indifferent
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2054-5	Value-Test Case Fixed
PID-10.2	Text	Black or African American	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5551236	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	Y	Value-Test Case Fixed
PID-25	Birth Order	2	Value-Test Case Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	McKay	Value-Test Case Fixed
NK1-2.2	Given Name	Angeline	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Ingrid	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551236	Value-Test Case Fixed

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1116	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2227	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0825-43	Value-Test Case Fixed
RXA-5.2	Text	HAVRIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	83	Value-Test Case Fixed
RXA-5.5	Alternate Text	Hep A, ped/adol, 2 dose	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	
RXA-7.2	Text	mL	
RXA-7.3	Name of Coding System	UCUM	
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	
RXA-9.2	Text	New immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN11	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	D	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Indifferent
RXR-1.2	Text	INTRAMUSCULAR	Indifferent
RXR-1.3	Name of Coding System	NCIT	Indifferent
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Indifferent
RXR-2.2	Text	Left Vastus Lateralis	Indifferent
RXR-2.3	Name of Coding System	HL70163	Indifferent
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## OBX[\*]

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Indifferent
OBX-2	Value Type	CE	Indifferent
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Indifferent
OBX-3.2	Text	Vaccine funding source	Indifferent
OBX-3.3	Name of Coding System	LN	Indifferent
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Indifferent
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Indifferent
OBX-5.2	Text	Private funds	Indifferent
OBX-5.3	Name of Coding System	CDCPHINVS	Indifferent
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Indifferent
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Indifferent
OBX-2	Value Type	CE	Indifferent
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Indifferent
OBX-3.2	Text	Vaccine funding program eligibility category	Indifferent
OBX-3.3	Name of Coding System	LN	Indifferent
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Indifferent
OBX-5	Observation Value		
OBX-5.1	Identifier	V01	Indifferent
OBX-5.2	Text	Not VFC eligible	Indifferent
OBX-5.3	Name of Coding System	HL70064	Indifferent
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Indifferent
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Indifferent
OBX-17.2	Text	Eligibility captured at the immunization level	Indifferent
OBX-17.3	Name of Coding System	CDCPHINVS	Indifferent
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Indifferent
OBX-2	Value Type	CE	Indifferent
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Indifferent
OBX-3.2	Text	Document type	Indifferent
OBX-3.3	Name of Coding System	LN	Indifferent
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Indifferent
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300004211211015	Indifferent
OBX-5.2	Text	Hepatitis A Vaccine VIS- 10/15/2021	Indifferent
OBX-5.3	Name of Coding System	cddgs1vis	Indifferent
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Indifferent
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Indifferent
OBX-2	Value Type	DT	Indifferent
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Indifferent
OBX-3.2	Text	Date Vaccine Information Statement Presented	Indifferent
OBX-3.3	Name of Coding System	LN	Indifferent
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Indifferent
OBX-5	Observation Value	20240405	Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Indifferent
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder
ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR 97477 USA
Local Number	(541)555-1236
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2

### Immunization Registry Information

Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party

Element	Data
Name	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR 97477 USA
Phone Number	(541)555-1236

### Vaccine Administration Information

Element	Data
Administered Vaccine	HAVRIX
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN11
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Delete
Route	INTRAMUSCULAR
Administration Site	Left Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Private funds
Vaccine funding program eligibility category	Not VFC eligible
Document type	Hepatitis A Vaccine VIS - 10/15/2021
Date Vaccine Information Statement Presented	04/05/2024

## **5.4.4. 5.5.4 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b>
SUT is able to Receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b>
The SUT has transmitted administered vaccine. Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
An acknowledgement (ACK Z23) is received and processed by the SUT. Go to step 3.14.4
<b>Test Objectives</b>
The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b>
This is not an evaluated step that must be performed to support other associated steps.  The acknowledgment message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-8	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 5.5. DCM 5.6.0 - Transmit Hep A Refusal

### Test Story

**Description**

The SUT supports the ability to transmit newly documented refused immunizations to the IIS.

**Pre-condition**

Daniela Jennifer Wyatt is the practitioner.

**Evaluation Criteria**

See test step for details.

## **5.5.1. 5.6.1 Transmit refusal for Hep A vaccination documented within the SUT to the IIS. Supports step 3.14.4 (Record Refusal)**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

In Step 3.14.2, Dr. Ramon Bradshaw recommends that Deborah McKay receive a hepatitis A vaccine. Deborah's mother, Angeline McKay declines the recommendation and refuses the vaccine for Deborah. The Administering practitioner incorrectly documents the administration of the Hep A vaccine in the SUT instead of a refusal.

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

#### **Pre-condition**

Debroah McKay exists in the SUT and the practitioner deleted the vaccine that was entered as given. The SUT no longer shows a record of administration for Hep A.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The HepA refusal and HepB have been sent to the IIS.

Hep A Vaccine Administration is no longer visible in the SUT or the IIS.

Go to step 5.6.2 to receive and process ACK from this step.

#### **Test Objectives**

To test the ability that the SUT allows users to submit vaccine administration refusals.

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.

#### **Evaluation Criteria**

The IIS received a single VXU message with an RXA segment containing an action code of "RE" from the SUT for newly administered vaccine dose recorded in the SUT. User shall record the refusal for hepatitis A in the SUT with the following data: Substance/Treatment Refusal Reason: Parent Decision (NIP002 00);

The UI may not show the codes reference but the SUT SHALL show there is underlying code to support transmission to the IIS as coded data with the RXA Completion status of Refused (RE)

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.

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.

The Administered Hep B vaccine is not evaluated, but must conform to the CDCC IZ IG v2.5.1.

Patient Information	
Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder

ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR, 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2

#### Immunization Registry Information

Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	1/26/2024
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	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR, 97477 USA
Phone Number	(541) 555-1236 (Telephone=PH)

#### Vaccine Administration Information - 1

Element	Data
Administered Vaccine	Hep A, ped/adol, 2 dose, CVX 83
Date/Time Start of Administration	Today's date
Administered Amount	999
Administered Units	
Administration Notes	
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	Parent Decision
Completion Status	Refused
Action Code	Add/Insert
Route	
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Jennifer Wyatt
Ordered By	Ramon Michael Bradshaw

#### Vaccine Administration Information - 2

Element	Data
Administered Vaccine	ENGERIX-B 58160-0820-43
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	IIPVAXN04
Substance Expiration Date	20290927
Substance Manufacturer Name	GlaxoSmithKline
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

### 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>

## Message Contents

MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405132514-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-9	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	4444	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	McKay	Value-Test Case Fixed
PID-5.2	Given Name	Deborah	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Charlotte	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	Schroeder	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20230205	Presence-Content Indifferent
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2054-5	Value-Test Case Fixed
PID-10.2	Text	Black or African American	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	600 Cherry Rd	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5551236	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	Y	Value-Test Case Fixed
PID-25	Birth Order	2	Value-Test Case Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	McKay	Value-Test Case Fixed
NK1-2.2	Given Name	Angeline	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Ingrid	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551236	Value-Test Case Fixed

ORC[\*]  
ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1117	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	9999	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1120	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3100	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	OFM	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	83	Value-Test Case Fixed
RXA-5.2	Text	Hep A, ped/adol, 2 dose	Presence-Test Case Proper
RXA-5.3	Name of Coding System	CVX	Value-Profile Fixed
RXA-5.4	Alternate Identifier		
RXA-5.5	Alternate Text		
RXA-5.6	Name of Alternate Coding System		
RXA-6	Administered Amount	999	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier		
RXA-7.2	Text		
RXA-7.3	Name of Coding System		
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier		
RXA-9.2	Text		
RXA-9.3	Name of Coding System		
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname		
RXA-10.3	Given Name		
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID		
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number		
RXA-16	Substance Expiration Date		
RXA-16.1	Time		
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier		
RXA-17.2	Text		
RXA-17.3	Name of Coding System		
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier	00	Value-Test Case Fixed
RXA-18.2	Text	Parental refusal	Value-Test Case Fixed
RXA-18.3	Name of Coding System	NIP002	Value-Profile Fixed
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	RE	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0820-43	Value-Test Case Fixed
RXA-5.2	Text	ENGERIX-B	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	08	Value-Test Case Fixed
RXA-5.5	Alternate Text	Hep B, adolescent or pediatric	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN04	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

**RXR : Pharmacy/Treatment Route**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
<b>RXR-2</b>	<b>Administration Site</b>		
RXR-2.1	Identifier	RVL	Value-Test Case Fixed
RXR-2.2	Text	Right Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**
**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Value-Test Case Fixed
OBX-5.2	Text	Private funds	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V01	Value-Test Case Fixed
OBX-5.2	Text	Not VFC eligible	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300005911230512	Value-Test Case Fixed
OBX-5.2	Text	Hepatitis B Vaccine VIS - 05/12/2023	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdcs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Deborah Charlotte McKay
Mother's Maiden Name	Schroeder
ID Number	4444
Date/Time of Birth	02/05/2023
Administrative Sex	Female
Patient Address	600 Cherry Rd. Springfield OR 97477 USA
Local Number	(541)555-1236
Race	Black or African American
Ethnic Group	Not Hispanic or Latino
Multiple Birth Indicator	Yes
Birth Order	2

### Immunization Registry Information

Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party

Element	Data
Name	Angeline Ingrid McKay
Relationship	Mother
Address	600 Cherry Rd. Springfield OR 97477 USA
Phone Number	(541)555-1236

**Vaccine Administration Information[\*]****Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	Hep A, ped/adol, 2 dose
Date/Time Start of Administration	04/05/2024
Administered Amount	999
Administered Units	
Administration Notes	
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	Parental refusal
Completion Status	Refused
Action Code	Add
Route	
Administration Site	
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

**Vaccine Administration Information**

<b>Element</b>	<b>Data</b>
Administered Vaccine	ENGERIX-B
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN04
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Right Vastus Lateralis
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

<b>Element</b>	<b>Data</b>
Vaccine funding source	Private funds
Vaccine funding program eligibility category	Not VFC eligible
Document type	Hepatitis B Vaccine VIS - 05/12/2023
Date Vaccine Information Statement Presented	04/05/2024

## **5.5.2. 5.6.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b>
SUT is able to Receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b>
The SUT has transmitted administered vaccine. Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
An acknowledgement (ACK Z23) is received and processed by the SUT. Go to step 7.1.1
<b>Test Objectives</b>
The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b>
This is not an evaluated step that must be performed to support other associated steps. The acknowledgment message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-9	

**Test Data Specification**
**Patient Information**

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 5.6. AJM 5.7.0 - Transmit patient protection status

### Test Story

<b>Description</b>
Transmit patient's protection indicator for a patient without consent (no sharing of patient data) to IIS
<b>Pre-condition</b>
Daniela Jennifer Wyatt is the practitioner.
<b>Evaluation Criteria</b>
See test step for details.

## **5.6.1. 5.7.1 Transmit patient's protection indicator for a patient without consent (no sharing of patient data) to IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

In Step 3.11.1, administering provider, Daniela Jennifer Wyatt, records a dose of GARDASIL 9 (Lot Number IIPVAXN08) in the SUT for Alexandria Jacqueline Montoya (DOB 02/18/2012), triggering the transmission of the record to the IIS.

#### **Pre-condition**

Alexandria Jacqueline Montoya (DOB 02/18/2012) is registered in the SUT.

In Step 3.11.1, administering provider, Daniela Jennifer Wyatt, records a dose of GARDASIL 9 (Lot Number IIPVAXN08) in the SUT for Alexandria Jacqueline Montoya (DOB 02/18/2012).

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The SUT is sent an unsolicited vaccine update (VXU) message which indicated the patient's protection indicator (PD1-12) was "Y" (protected, do not share) along with an effective date (PD1-13).

Go to step 5.7.2 to receive and process ACK from this transmission.

#### **Test Objectives**

To test the ability that the SUT is able to transmit an unsolicited vaccine update (VXU) message which indicates the patient's protection indicator (PD1-12) is "Y" (protected, do not share) along with an effective date (PD1-13).

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 no consent given.

Support for long first and middle name.

#### **Evaluation Criteria**

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.

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.

Element	Data
Patient Name	Alexandria Jacqueline Montoya
Mother's Maiden Name	Hayes
ID Number	2222
Date/Time of Birth	03/27/2012
Administrative Sex	Female
Patient Address	82 Evergreen Ter Springfield OR, 97477 USA
Phone Number	(541) 555-1235 (Cellular Phone= CP)
Race	White
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	1/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	Today's date
Protection Indicator	Yes
Protection Indicator Effective Date	Today's date
Guardian or Responsible Party - 1	
Element	Data
Name	Maria Christina Montoya
Relationship	Mother
Address	82 Evergreen Ter Springfield OR, 97477 USA USA
Phone Number	(541) 555-1235 (Cellular Phone= CP)
Vaccine Administration Information - 1	
Element	Data
Administered Vaccine	GARDASIL 9 00006-4121-01
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	IIPVAXN08
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	Merck and Co., 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
CVX	165
Observations	
Element	Data
Vaccine Funding Source	Private funds
Vaccine Program Eligibility	VFC eligible - Medicaid/Medicaid Managed Care
Document Type	HPV (Human Papillomavirus) Vaccine VIS - 08/06/2021
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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405132728-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Test Case Fixed
MSH-10	Message Control ID	IIP-Transmit-7	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	2222	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Montoya	Value-Test Case Fixed
PID-5.2	Given Name	Alexandria	Presence Length-Configuration
PID-5.3	Second and Further Given Names or Initials Thereof	Jacqueline	Presence Length-Configuration
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	Hayes	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20120327	Value-Test Case Fixed
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	82 Evergreen Ter	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5551235	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	Y	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**NK1 : Next of Kin / Associated Parties**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Montoya	Value-Test Case Fixed
NK1-2.2	Given Name	Maria	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Christina	Presence-Content Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		
NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	82 Evergreen Ter	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551235	Value-Test Case Fixed

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1118	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2229	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	00006-4121-01	Value-Test Case Fixed
RXA-5.2	Text	GARDASIL 9	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	165	Value-Test Case Fixed
RXA-5.5	Alternate Text	HPV9	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN08	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	MSD	Value-Test Case Fixed
RXA-17.2	Text	Merck and Co., Inc.	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

**RXR : Pharmacy/Treatment Route**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**
**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Value-Test Case Fixed
OBX-5.2	Text	Private funds	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V02	Value-Test Case Fixed
OBX-5.2	Text	VFC eligible - Medicaid/Medicaid Managed Care	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300029511210806	Value-Test Case Fixed
OBX-5.2	Text	HPV (Human Papillomavirus) Vaccine VIS-08/06/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Alexandria Jacqueline Montoya
Mother's Maiden Name	Hayes
ID Number	2222
Date/Time of Birth	03/27/2012
Administrative Sex	Female
Patient Address	82 Evergreen Ter Springfield OR 97477 USA
Local Number	(541)555-1235
Race	White
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	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	Yes
Protection Indicator Effective Date	04/05/2024

### Guardian or Responsible Party

Element	Data
Name	Maria Christina Montoya
Relationship	Mother
Address	82 Evergreen Ter Springfield OR 97477 USA
Phone Number	(541)555-1235

### Vaccine Administration Information

Element	Data
Administered Vaccine	GARDASIL 9
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN08
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Private funds
Vaccine funding program eligibility category	VFC eligible - Medicaid/Medicaid Managed Care
Document type	HPV (Human Papillomavirus) Vaccine VIS - 08/06/2021
Date Vaccine Information Statement Presented	04/05/2024

## **5.6.2. 5.7.2 Not evaluated: Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b>
SUT is able to Receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b>
The SUT has transmitted a record for a protected patient. Daniela Jennifer Wyatt is the practitioner.
<b>Post-Condition</b>
An acknowledgement (ACK Z23) is received and processed by the SUT. Go to step 3.12.1
<b>Test Objectives</b>
The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b>
This is not an evaluated step that must be performed to support other associated steps. The acknowledgement message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405114221-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID		
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code		
MSH-22.10	Organization Identifier		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID		
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code		
MSH-23.10	Organization Identifier		

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-7	

## Test Data Specification

### Patient Information

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 6. 6.0.0 - Capability: Patient access

### Test Story

#### Description

This "test group" includes basic functionality that allows patients or their caregivers access to immunization records.

#### Evaluation Criteria

See test step for details

## **6.1. 6.1.0 - Provide patient or a user on the patient's behalf electronic access to patient's immunization record**

### **Test Story**

<b>Description</b>
Includes basic functionality that allows patients or their caregivers access to immunization records.
<b>Evaluation Criteria</b>
See test step for details

## **6.1.1. 6.1.1 - Attests that patients or their caregivers can electronically access a patient's immunization record**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

The SUT supports the ability for patients or a user on the patient's behalf access to the patient's immunization record. This ability is managed via attestation as many SUTs provide such access through patient portals which may be separate products managed by different vendors. The ability requires that the SUT makes all immunizations administered available to the patient.

#### **Pre-condition**

Patient data exists in the SUT

#### **Post-Condition**

Vaccines given appear in patient's medical records and are accessible as immunization history.

#### **Test Objectives**

To test the ability that the SUT can allow patients or their caregivers to electronically access the patient's Immunization record.

#### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item-previously attested to.

To achieve recognition for this capability, the SUT representative will provide acceptable answers to the following questions:

(1) Does the SUT provide immunization history and newly administered vaccine data to a site available directly for patient or a user on the patient's behalf access? Acceptable answer: Yes.

(2) Explain how administered vaccines populate the patient access site.

Acceptable answer: Via direct interface with a portal provided by the SUT (e.g., Epic and My Chart) or with an external portal;

Also acceptable: via an API to the portal selected by the patient or a user on the patient's behalf.

## 7. 7.0.0 - Capability: Clinical Configuration

### Test Story

#### Description

This "test group" includes basic functionality that allows the SUT to be configured and updated to meet new vaccination reporting requirements.

#### Pre-condition

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the administering practitioner.

## 7.1. FIN 7.1.0 - Add New Vaccine Codes

### Test Story

#### Description

Demonstrate the ability to add new vaccine codes for a novel virus vaccine prior to its availability in standard medication knowledge bases. The purpose of adding the new code is to allow entry of the vaccine in inventory and administering it to a patient.

#### Pre-condition

Dr. Ramon Michael Bradshaw is the ordering practitioner.

Daniela Jennifer Wyatt is the administering practitioner.

#### Evaluation Criteria

See test step for details.

## **7.1.1. 7.1.1 - Accommodate updates to vaccine code sets (vaccine codes (CVX), National Drug Codes (NDC), and Vaccine Information Statement codes (VIS)) when released from CDC**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **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

## **7.1.2. 7.1.2 Not evaluated-Supports 7.1.1 Add New Vaccine Codes. Enter vaccine inventory for newly developed vaccine**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

After receiving the inventory for this newly developed vaccine, details are entered into the SUT with the applicable codes and data.

#### **Pre-condition**

The vaccine supply is received at the clinic and is available to be added to the SUT inventory.

#### **Post-Condition**

The vaccine is available to be ordered in the SUT.

Go to step 7.1.3

#### **Test Objectives**

That the SUT is able to add newly developed vaccines with all applicable codes to the inventory to be ordered by practitioners.

#### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

Vaccine inventory entered with the following information:

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	9/27/2029
Funding Source	Public
Doses on Hand	50
CVX Code	234
MVX Code	MOD
HL7 Expiration Date	20290731
Funding Source Code	Public
Packaging	Unknown
Trade Name	Heartland Virus Vax
Program Code & description	IIP024/HeartlandVV-Program

### **7.1.3. 7.1.3 Not evaluated-Supports 7.1.1 Add New Vaccine Codes. Order new vaccine for patient administration**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

After being approved by FDA and CDC, Finley Ira Nash (DOB 04/05/1966) is looking to be vaccinated against Heartland virus (a rare tick-borne virus). Dr. Ramon Bradshaw orders the vaccine.

The patient also states he needs a hepatitis B vaccine for new employment. The patient has no vaccine history and the practitioner also orders Hep B vaccine to start the series.

##### **Pre-condition**

Dr. Ramon Michael Bradshaw is the ordering practitioner.

The new vaccine code exists in the SUT

The new vaccine and the Hep B vaccine for adults is available to order within the SUT and administer to a patient.

Availability of new vaccine data from Steps 7.1.1 and 7.1.2

##### **Post-Condition**

The patient has been selected and the vaccines have been ordered.

Go to step 7.1.4

##### **Test Objectives**

That the SUT is able to order newly developed vaccines which have been recently updated/added to the SUT ordering module.

##### **Evaluation Criteria**

This is not an evaluated step that must be performed to support other associated steps.

<b>Vaccine #1 to be ordered:</b>	
Product Name (This may vary with each implementation)	Heartland-24_mRNA
Generic Name (CVX 234)	HVV
CVX Code	234

<b>Vaccine #2 to be ordered:</b>	
Product Name (This may vary with each implementation)	ENGERIX-B
Generic Name (CVX 43)	Hep B, adult
CVX Code	43

<b>SUT Users</b>	
Ordering Provider	Ramon Michael Bradshaw
Entering Organization	Oregon Family Medicine
Order Entered By	Daniela Jennifer Wyatt

#### Patient Information

ID Number	7777
ID Type	Medical record number
Name	
First	Finley
Middle	Ira
Last	Nash
Suffix	
Date of Birth	04/05/1966
Sex	Male
Race <sup>1</sup>	Asian
Ethnicity <sup>1</sup>	Hispanic or Latino
Permanent Address <sup>1</sup>	
Address Line 1 <sup>1</sup>	700 Locust Ln
Address Line 2	
City <sup>1</sup>	Springfield
State <sup>1</sup>	OR
Zip Code <sup>1</sup>	97477
Country <sup>1</sup>	USA
Phone Number <sup>1</sup>	(541) 000-0007
Use <sup>1</sup>	Primary Residence Number
Type <sup>1</sup>	Telephone
Part of a multiple birth? <sup>1</sup>	No
Birth order <sup>1</sup>	1
Reminder Recall <sup>1</sup>	Reminder/recall - any method
Protected? <sup>1</sup>	No
IIS Status <sup>1</sup>	Active
Deceased? <sup>1</sup>	No
Vaccine Program Eligibility <sup>1</sup>	State Program Eligibility
Vaccine Program Eligibility2	Not VFC eligible
<sup>1</sup> - If required by the SUT	

## **7.1.4. 7.1.4 Record vaccine administration for new vaccine product with new vaccine program eligibility code**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

After being approved by FDA and CDC Finley Ira Nash (DOB 04/05/1966) is vaccinated with a new vaccine for Heartland virus (a rare tick-borne virus), along with a Hep B vaccine that the patient states is required for new employment. The patient has no record of hep B vaccine and the practitioner starts the series.

#### **Pre-condition**

Daniela Jennifer Wyatt is the administering practitioner.

The vaccines have been ordered and the new VFC code IIP024 exists in the SUT.

#### **Post-Condition**

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Heartland Virus vaccine without a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Hep B adult vaccine with a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Go to step 7.1.5 to transmit vaccines from this step.

#### **Test Objectives**

To test the ability that the SUT allows for manual entry of data from newly entered vaccine product in the SUT inventory.

#### **Evaluation Criteria**

Finley Ira Nash (DOB 04/05/1966) has been administered vaccines by practitioner Daniela Jennifer Wyatt and the following information is entered into the patient record and visible in the SUT:

Item 1	
Product Name (This may vary with each implementation)	Heartland-24_mRNA
Date Administered	Today's date
Unit-of-Sale (Box) NDC	8077-0743-15
Manufacturer	Moderna
Lot Number	HVV8071524
Expiration Date	09/27/2029
Unit-of-Use (Vial/Syringe) <b>Image that shall not be scanned-manually entered</b>	8077-0743-15
Patient Dose-level Eligibility	IIP024 HeartlandHVV-Program
Funding Source	Public
Route	INTRAMUSCULAR
Site	Left Deltoid
VIS Given	Heartland-24 Vaccine 03-28-2024 VIS
CVX Code	234
MVX Code	MOD
Generic Name (CVX 234)	HVV
Dose/units	0.5mL

Item 2	
Product Name (This may vary with each implementation)	Hep B, adult
Date Administered	Today's date
Unit-of-Sale (Box) NDC	58160-0821-34
Manufacturer	GlaxoSmithKline
Lot Number	IIPVAXN03
Expiration Date	9/27/2029
	58160-0821-05
Unit-of-Use (Vial/Syringe) barcode	
	GTIN 10358160821056
Patient Dose-level Eligibility	Not VFC eligible
Funding Source	Private funds
Route	INTRAMUSCULAR
Site	Right Deltoid
VIS Given	Hepatitis B Vaccine VIS
CVX Code	43
MVX Code	SKB
Generic Name (CVX 43)	Hep B, adult
Dose/units	0.5mL

## **7.1.5. 7.1.5 - Transmit new vaccine code administered with new vaccine program eligibility code documented within the SUT to the IIS**

Test Step Type: SUT\_INITIATOR

### **Test Story**

#### **Description**

After being approved by FDA and CDC Finley Ira Nash (DOB 04/05/1966) is vaccinated with a new vaccine for Heartland virus (a rare tick-borne virus), along with a Hep B vaccine that the patient states is required for new employment. The patient has no record of hep B vaccine and the practitioner starts the series.

Vaccine Name: Heartland-24\_mRNA

Vaccine Manufacturer (if required by the SUT): Moderna

CVX Code: 234

National Drug Code (NDC): 8077-0743-15

Vaccine Information Sheet: Heartland-24 Vaccine 03-28-2024 VIS

Vaccine MVX: MOD

Vaccine Name: Hep B, Adult (ENGERIX-B)

Vaccine Manufacturer (if required by the SUT): GlaxoSmithKline

CVX Code: 43

National Drug Code (NDC): 58160-0820-43

Vaccine Information Sheet: Hepatitis B Vaccine VIS

Vaccine MVX: SKB

#### **Pre-condition**

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Heartland Virus vaccine without a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Finley Ira Nash (DOB 04/05/1966) is administered a dose of Hep B adult vaccine with a scannable 2D barcode, it has been recorded in the SUT and is visible to SUT users.

Daniela Jennifer Wyatt is the administering practitioner.

#### **Post-Condition**

The vaccines have been transmitted from the SUT to the IIS.

Go to step 7.1.6 to receive and process ACK from this step.

#### **Test Objectives**

- To test the ability that the SUT can support transmission of newly developed vaccine data recorded in the SUT
- 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 Sending Responsible Organization (MSH-22) and Receiving Responsible Organization (MSH-23) to include: 1. Identifier, 2. Identifier Type Code, 3. Assigning Authority for the Identifier
- Support for OIDs
- Support for Adult Not VFC Eligible

#### **Evaluation Criteria**

The IIS received a single VXU message with multiple RXA segments from the SUT containing newly developed vaccine data and new vaccine program eligibility code recorded in the SUT as well as the Hep B adult vaccine dose information.

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

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.

See Facility preload Information for OIDs and additional MSH requirements.

Element	Data
Patient Name	Finley Ira Nash
Mother's Maiden Name	
ID Number	7777
Date/Time of Birth	04/05/1966
Administrative Sex	Male
Patient Address	700 Locust Ln Springfield OR, 97477 USA
Phone Number	(541) 555-0007 (Cellular Phone=CP)
Race	Asian
Ethnic Group	Hispanic or Latino
Multiple Birth Indicator	No
Birth Order	1
Immunization Registry Information	
Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	1/26/2024
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	
Relationship	
Address	
Phone Number	
Vaccine Administration Information - 1	
Element	Data
Administered Vaccine	Heartland-24_mRNA
Date/Time Start of Administration	Today's date
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Immunization
Administering Provider	Daniela Jennifer Wyatt
Substance Lot Number	HVV8071524
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	Moderna
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 vax 1	
Element	Data

Vaccine Funding Source	Public
Vaccine Program Eligibility	HeartlandVV-Program
Document Type	Heartland-24 Vaccine 03-28-2024 VIS
Date VIS Presented	Today's date
Vaccine Administration Information - 2	
Element	Data
Administered Vaccine	Hep B, adult
Date/Time Start of Administration	Today's date
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Immunization
Administering Provider	Daniela Jennifer Wyatt
Substance Lot Number	IIPVAXN03
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	Right Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Jennifer Wyatt
Ordered By	Ramon Michael Bradshaw
Observations vax 2	
Element	Data
Vaccine Funding Source	Private funds
Vaccine Program Eligibility	Not VFC eligible
Document Type	Hepatitis B Vaccine 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>

#### Message Contents

## MSH : MSH Segment Adopting Fields from 2.7.1

Location	Data Element	Data	Categorization
MSH-1	Field Separator		Value-Profile Fixed
MSH-2	Encoding Characters	~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID	2.16.840.1.113883.3.72.5.40.1	Presence-Test Case Proper
MSH-3.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID	2.16.840.1.113883.3.72.5.40.2	Presence-Test Case Proper
MSH-4.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID	2.16.840.1.113883.3.72.5.40.3	Presence-Test Case Proper
MSH-5.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID	2.16.840.1.113883.3.72.5.40.4	Presence-Test Case Proper
MSH-6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405115441-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	IIP-Transmit-11	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	OFM	Presence-Configuration
MSH-22.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.8	Presence-Test Case Proper
MSH-22.6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-22.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-22.10	Organization Identifier	197028	Presence-Configuration
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	IIP	Presence-Configuration
MSH-23.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.9	Presence-Test Case Proper
MSH-23.6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	197027	Presence-Configuration

**PID : Patient Identification**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	7777	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Presence-Content Indifferent
PID-3.4.2	Universal ID	2.16.840.1.113883.3.72.5.40.5	Presence-Test Case Proper
PID-3.4.3	Universal ID Type	ISO	Value-Profile Fixed
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Nash	Value-Test Case Fixed
PID-5.2	Given Name	Finley	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Ira	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname		
PID-6.2	Given Name		
PID-6.7	Name Type Code		
PID-7	Date/Time of Birth		
PID-7.1	Time	19660405	Value-Test Case Fixed
PID-8	Administrative Sex	M	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2028-9	Value-Test Case Fixed
PID-10.2	Text	Asian	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	700 Locust Ln	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	CP	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5550007	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2135-2	Value-Test Case Fixed
PID-22.2	Text	Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

**PDI : Patient Additional Demographic**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
PDI-11	Publicity Code		
PDI-11.1	Identifier	02	Value-Test Case Fixed
PDI-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PDI-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PDI-11.4	Alternate Identifier		
PDI-11.5	Alternate Text		
PDI-11.6	Name of Alternate Coding System		
PDI-12	Protection Indicator	N	Value-Test Case Fixed
PDI-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PDI-16	Immunization Registry Status	A	Value-Test Case Fixed
PDI-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PDI-18	Publicity Code Effective Date	20240405	Presence-Content Indifferent

**ORC[\*]**
**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1119	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Test Case Proper
ORC-2.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3000	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Test Case Proper
ORC-3.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-12.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

**ORC : Common Order**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	1120	Presence-Content Indifferent
ORC-2.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-2.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Test Case Proper
ORC-2.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	3001	Presence-Content Indifferent
ORC-3.2	Namespace ID	OFM	Presence-Content Indifferent
ORC-3.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Test Case Proper
ORC-3.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Bradshaw	
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-12.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed List
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	8077-0743-15	Value-Test Case Fixed
RXA-5.2	Text	Heartland-24_mRNA	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	234	Value-Test Case Fixed
RXA-5.5	Alternate Text	HVV	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
RXA-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID	2.16.840.1.113883.3.72.5.40.12	Presence-Test Case Proper
RXA-11.4.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-15	Substance Lot Number	HVV8071524	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	MOD	Value-Test Case Fixed
RXA-17.2	Text	Moderna	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0821-05	Value-Test Case Fixed
RXA-5.2	Text	ENGERIX-B	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	43	Value-Test Case Fixed
RXA-5.5	Alternate Text	Hep B, adult	Presence-Test Case Proper
RXA-5.6	Name of Alternate Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
RXA-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID	2.16.840.1.113883.3.72.5.40.12	Presence-Test Case Proper
RXA-11.4.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-15	Substance Lot Number	IIPVAXN03	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LD	Value-Test Case Fixed
RXR-2.2	Text	Left Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

## RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	RD	Value-Test Case Fixed
RXR-2.2	Text	Right Deltoid	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		
RXR-2.6	Name of Alternate Coding System		

**OBX[\*]**  
**OBX: Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC50	Value-Test Case Fixed
OBX-5.2	Text	Public	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	IIP024	Value-Test Case Fixed
OBX-5.2	Text	HeartlandVV-Program	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300023411240207	Value-Test Case Fixed
OBX-5.2	Text	Heartland-24 Vaccine 03-28-2024 VIS	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdegs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Value-Test Case Fixed
OBX-5.2	Text	Private funds	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHIINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine funding program eligibility category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V01	Value-Test Case Fixed
OBX-5.2	Text	Not VFC eligible	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	Eligibility captured at the immunization level	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	3	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300005911230512	Value-Test Case Fixed
OBX-5.2	Text	Hepatitis B Vaccine VIS	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdcs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

**OBX : Observation/Result**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		

## Test Data Specification

### Patient Information

Element	Data
Patient Name	Finley Ira Nash
Mother's Maiden Name	
ID Number	7777
Date/Time of Birth	04/05/1966
Administrative Sex	Male
Patient Address	700 Locust Ln Springfield OR 97477 USA
Local Number	(541)555-0007
Race	Asian
Ethnic Group	Hispanic or Latino
Multiple Birth Indicator	No
Birth Order	1

### Immunization Registry Information

Element	Data
Immunization Registry Status	Active
Immunization Registry Status Effective Date	01/26/2024
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	04/05/2024
Protection Indicator	No
Protection Indicator Effective Date	04/05/2024

### Vaccine Administration Information[\*]

#### Vaccine Administration Information

Element	Data
Administered Vaccine	Heartland-24_mRNA
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	HVV8071524
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	Moderna
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Left Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Public
Vaccine funding program eligibility category	HeartlandVV-Program
Document type	Heartland-24 Vaccine 03-28-2024 VIS
Date Vaccine Information Statement Presented	04/05/2024

## Vaccine Administration Information

Element	Data
Administered Vaccine	ENGERIX-B
Date/Time Start of Administration	04/05/2024
Administered Amount	0.5
Administered Units	mL
Administration Notes	New immunization record
Administering Provider	Daniela Wyatt
Substance Lot Number	IIPVAXN03
Substance Expiration Date	09/27/2029
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Completion Status	Complete
Action Code	Add
Route	INTRAMUSCULAR
Administration Site	Right Deltoid
Entering Organization	Oregon Family Medicine
Entered By	Daniela Wyatt
Ordered By	Ramon Bradshaw

Element	Data
Vaccine funding source	Private funds
Vaccine funding program eligibility category	Not VFC eligible
Document type	Hepatitis B Vaccine VIS
Date Vaccine Information Statement Presented	04/05/2024

## **7.1.6. 7.1.6 - Receive acknowledgment messages from an IIS during the course of processing the patient immunization record**

Test Step Type: TA\_RESPONDER

### **Test Story**

<b>Description</b> SUT is able to receive acknowledgment messages from an IIS during the course of processing the patient immunization record.
<b>Pre-condition</b> The SUT has transmitted administered vaccine.
Daniela Jennifer Wyatt is the administering practitioner.
<b>Post-Condition</b> An acknowledgement (ACK Z23) is received and processed by the SUT.  Go to step 7.2.1
<b>Test Objectives</b> The SUT is able to receive an acknowledgment in response to VXU transmissions.
<b>Evaluation Criteria</b> This is not an evaluated step that must be performed to support other associated steps.  The acknowledgement message is displayed and consumed by the SUT responsible for the content of the administration message.

### **Message Contents**

**MSH : MSH Segment Adopting Fields from 2.7.1**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSH-1	Field Separator		
MSH-2	Encoding Characters	~&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	IIP-IIS-APP	
MSH-3.2	Universal ID	2.16.840.1.113883.3.72.5.40.3	
MSH-3.3	Universal ID Type	ISO	
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	IIP	
MSH-4.2	Universal ID	2.16.840.1.113883.3.72.5.40.4	
MSH-4.3	Universal ID Type	ISO	
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	SUT-APP	
MSH-5.2	Universal ID	2.16.840.1.113883.3.72.5.40.1	
MSH-5.3	Universal ID Type	ISO	
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	OFM	
MSH-6.2	Universal ID	2.16.840.1.113883.3.72.5.40.2	
MSH-6.3	Universal ID Type	ISO	
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405120108-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	ACK	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	ACK	
MSH-10	Message Control ID	IIP-ACK-1	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	NE	
MSH-16	Application Acknowledgment Type	NE	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z23	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Immunization Integration Program	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	IIP	
MSH-22.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.9	
MSH-22.6.3	Universal ID Type	ISO	
MSH-22.7	Identifier Type Code	XX	
MSH-22.10	Organization Identifier	197027	
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Oregon Family Medicine	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	OFM	
MSH-23.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.9	
MSH-23.6.3	Universal ID Type	ISO	
MSH-23.7	Identifier Type Code	XX	
MSH-23.10	Organization Identifier	197028	

**MSA : Message Acknowledgment**

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	IIP-Transmit-11	

## Test Data Specification

### Patient Information

<b>Element</b>	<b>Data</b>
This information will be automatically supplied by the System	

## 7.2. 7.2.0 - Clinical Configuration, Updates immunization schedule

### Test Story

#### Description

All SUT used to provide and record immunization to patient requires the most up-to-date immunization schedule as recommended by the CDC Advisory Committee on Immunization Practices (ACIP). This test evaluates the process for updating the schedule as ACIP recommendations change.

#### Evaluation Criteria

See test step for details.

## **7.2.1. 7.2.1 - Attests that the immunization schedule is updated regularly to reflect changes in ACIP immunization recommendations**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Each SUT uses an immunization forecasting engine to establish the immunization recommendations to provide to each patient and such forecasting must be updated regularly to reflect new recommendations as they are published by the ACIP. The SUT may use its own forecasting engine or it may access a third-party engine (e.g., but not limited to STC, ICE).

The SUT must attest to the fact that it incorporates updates to its active immunization schedule, and provide the following discovery data:

- (1) Forecasting engine used;
- (2) Frequency of update to forecasting engine;
- (3) Indication of whether a clinical site may use the SUT with a forecasting engine other than the one incorporated with the SUT product "out of the box"

#### **Pre-condition**

SUT uses a forecasting engine to create each patient's immunization schedule.

#### **Post-Condition**

SUT attests to updating vaccine schedule data after changes to ACIP recommendations. Since there is no clearly established interval between an ACIP update and implementation in the SUT schedule, the proctor will request such timeliness information as part of discovery.

Go to step 9.1.1

#### **Test Objectives**

To test the ability that the SUT has a process for updating vaccine schedules based on changes to ACIP recommendations.

#### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item-previously attested to.

## 8. 8.0.0 - Capability: SOAP Testing

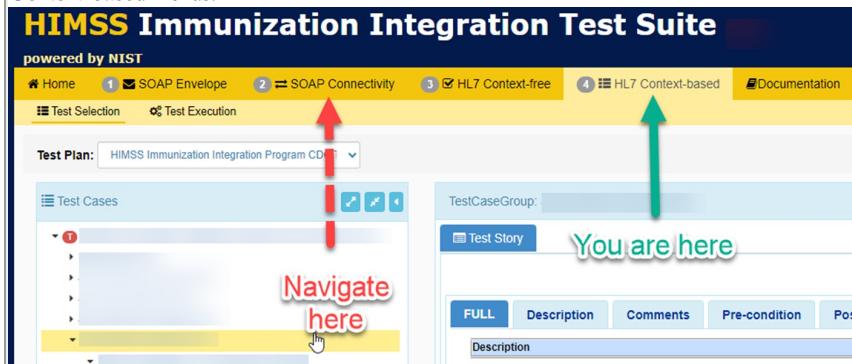
### Test Story

#### Description

This "test group" includes a single SOAP test:

Connect to an immunization information system (IIS) and to generate and transmit a message conforming to the SOAP 1.2 standard and CDC WSDL 1.0 that may be used for transporting an HL7 message to an immunization information system (IIS).

See test case within the SOAP Connectivity yellow navigation tabs at the top of this tool. All testing for this capability is done outside of the HL7 Context-based menus.



#### Comments

Unlike other IIP capabilities:

- this is performed outside of the context-based tests
- it is not divided into test cases (functions) and test steps (requirements)

#### Pre-condition

The SUT is ready to be configured to establish connectivity with an IIS.

#### Post-Condition

Transport is configured to use the SOAP-based CDC WSDL.

#### Test Objectives

Configure SOAP-based CDC WSDL for Transport: The EHR or other clinical software system configures connectivity using the SOAP-based CDC WSDL and demonstrates compliance with this standard transport.

#### Evaluation Criteria

Using the test tool and instructions published by NIST at: <https://hl7v2-iz-r1-5-testing.nist.gov/iztool/#/soapConn>

the SUT is able to successfully execute both SOAP Connectivity Sender (Initiator) test case:

- Test Case: SOAPCON\_3\_SubmitSingleMessage\_Message

#### Notes

All instructions and test details are available at:

<https://hl7v2-iz-cdc-testing.nist.gov/iztool/#/soapConn>

## 9. 9.0.0 - Capability: Basic data quality checks

### Test Story

#### Description

See test case for details.

#### Evaluation Criteria

See test case for details.

#### Notes

IZ Administered (RXA-3/4) after Expiration (RXA-16) is excluded from this capability as it is tested through 3.10.3 - Vaccine dose expiration is visually apparent to administering practitioner

Patient information is manually input under test proctor observation.

## 9.1. Yuiko Kami Nakano 9.1.0 - Basic data quality checks

### Test Story

<b>Description</b> See test case steps for details.
<b>Pre-condition</b> Daniela Jennifer Wyatt is the practitioner.
<b>Test Objectives</b> Alerts a user to the following data entry issues: 1. patient born in the future (DOB (PID-7) after TODAY) 2. patient DOB too old (Today-DOB>150 years) 3. patient vaccinated before birth (IZ Administered (RXA-3/4) before DOB (PID-7))
<b>Evaluation Criteria</b> The SUT makes user aware of the following data entry impossibilities or improbabilities: Step 9.1.1 Attests: Alert a user when data entered indicates the patient is born in the future (DOB (PID-7) after TODAY) Step 9.1.2 Attests: Alert a user when a date of birth (PID-30) is entered which indicates a patient is more than 150 years of age (TODAY-DOB > 150 Years) Step 9.1.3 - Requirement: Shall Alert a user when data entered indicates the patient received a vaccine before birth (DOD (PID-30) before DOB (PID-7)) Vaccine administered before birth: (RXA-3/4) before DOB (PID-7)

## **9.1.1. 9.1.1 Attestation: Alert a user when data entered indicates the patient is born in the future (DOB (PID-7) after TODAY)**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Attests that if SUT user enters a typo indicating the patient Yuiko Kami Nakano's date of birth is in the future, the SUT then alerts the user of the issue.

#### **Pre-condition**

Yuiko Kami Nakano is registered as a patient in the SUT.

Daniela Jennifer Wyatt is the practitioner.

#### **Post-Condition**

The SUT alerts a user the patient's date of birth is in the future.

Go to step 9.1.2

#### **Test Objectives**

The SUT is able to prevent a user from entering a patient's DOB in the future.

#### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item-previously attested to.

#### **Notes**

A SUT user attempts register a new patient by entering the following patient information:	
ID Number	8888
ID Type	Medical record number
Name	
First	Yuiko
Middle	Kami
Last	Nakano
Date of Birth (corrected later)	04/05/2121

The SUT shall Requests (query) a patient's evaluated immunization history and vaccine forecast from an IIS using an HL7 v2.5.1 Z44 profile message.

If SUT requires additional details use the following:

Sex	
Race	
Ethnicity	
Permanent Address	
Address Line 1	7777 Pine Ln
City	Springfield
State	OR
Zip Code	97477
Country	USA
Phone Number	(541) 555-0017
Use	Primary Residence Number
Type	Telephone
Part of a multiple birth?	No
Birth order	1
Reminder Recall	Reminder/recall - any method
Protected?	No
IIS Status	Active
Deceased?	No

## **9.1.2. 9.1.2 Attestation: Alert a user when a date of birth (PID-30) is entered which indicates a patient is more than 150 years of age (TODAY-DOB > 150 Years)**

Test Step Type: SUT\_MANUAL

### **Test Story**

#### **Description**

Attests that if SUT user enters a typo indicating the patient Yuiko Kami Nakano is more than 150 years of age, the SUT then alerts the user of the issue.

#### **Pre-condition**

Yuiko Kami Nakano is registered as a patient in the SUT.

#### **Post-Condition**

The SUT alerts a user the entered patient's date of birth is too long ago.

Yuiko Kami Nakano's date of birth has been corrected in the SUT to 02/27/2021.

Go to step 9.1.3

#### **Test Objectives**

The SUT prevents a user from entering a patient's DOB too far in the past.

#### **Evaluation Criteria**

This is a non-evaluated test step that must be performed to support other associated steps.

This was an attestation item-previously attested to.

#### **Notes**

A SUT user attempts to modify the date of birth for existing patient, Yuiko Kami Nakano, from 02/27/2121 to 02/27/1821

The SUT alerts a user the entered patient's date of birth is too long ago.

Finally, SUT user corrects the patient's date of birth to 02/27/2021.

### **9.1.3. 9.1.3 - Alert a user when data entered indicates the patient received a vaccine before birth (DOD (PID-30) before DOB (PID-7))**

Test Step Type: SUT\_MANUAL

#### **Test Story**

##### **Description**

A SUT user selects the wrong patient (Yuiko Kami Nakano); inadvertently recording a vaccine which occurs before the patient's date of birth. The SUT then actively alerts the user of the issue.

##### **Pre-condition**

Yuiko Kami Nakano is registered as a patient in the SUT.

Daniela Jennifer Wyatt is the practitioner.

##### **Post-Condition**

The SUT alerts a user that the entered date of vaccine is before the patient's date of birth.

Go to step 8

##### **Evaluation Criteria**

The SUT user attempts to enter a vaccine date that is before patient DOB: Yuiko Nakano (DOB 02/27/2021)

Date of Vaccine: 02/27/2020

If SUT requires additional details use the following:

The SUT shall inform a user that the vaccine date recorded is before their date of birth.

A SUT user then removes the vaccine that was recorded and correctly enters the vaccine date as the same day as patient DOB.

The proctor shall consider successful performance if one of the following is observed (a, b, OR c):

- a. Entry of the a year prior to the birth year just isn't possible because the SUT doesn't provide a choice of years before the birth year (Active informing)
- b. Indication in the UI after the wrong year that the year may be incorrect (e.g., date shown in red or highlighted in some way, but the SUT allows the user to proceed without making a change - Passive)
- c. The SUT prevents the user from selecting "Save" and highlights the error to be fixed prior to saving, or provides a pop-up indicator indicating the error, requiring a change to the data before completing (Active)
- d. The SUT provides a pop-up indicator indicating the error, requiring a change to the date before completing (Active)