### **Immunization**

2015-08-11 09:55:57

1. Administration Group
1.1. TC-1
1.1.1. Send administration message
1.1.2. Consume acknowledgement message
1.2. TC-2
1.2.1. Send administration message
1.2.2. Consume acknowledgement message
<b>1.3. TC-3</b>
1.3.1. Send administration message
1.3.2. Consume acknowledgement message
1.4. TC-4
1.4.1. Send administration message
1.4.2. Consume acknowledgement message
1.5. TC-5
1.5.1. Send administration message
1.5.2. Consume acknowledgement message
<u>1.6. TC-6</u>
1.6.1. Send administration message
1.6.2. Consume acknowledgement message
1.7. TC-7
1.7.1. Send administration message
1.7.2. Consume acknowledgement message
1.8. TC-8
1.8.1. Send administration message
1.8.2. Consume acknowledgement message
<u>1.9. TC-9</u>
1.9.1. Send administration message
1.9.2. Consume acknowledgement message
1.10. TC-10
1.10.1. Send administration message
1.10.2. Consume acknowledgement message
1.11. TC-11
1.11.1. Send administration message
1.11.2. Consume acknowledgement message
2. Evaluated History and Forecast Group
2.1. Q R TC-1
2.1.1. send query

- 2.1.2. Send response
- 2.2. Q R TC-2
  - **2.2.1. Send query**
  - 2.2.2. return response
- 2.3. Q R TC-3
  - 2.3.1. Send Query expecting no match
  - 2.3.2. Response where no matches were found
- 2.4. Q R TC-4
  - 2.4.1. Query that finds too many matches
  - 2.4.2. Response with too many matches

# 1. Administration Group

**No Description** 

# 1.1. TC-1

## Maximally populated child administration

## **Test Story**

No Note

-Description-	
A child is seen at a clinic. Historical vaccinations are recorded and new vaccadministered and documented.	ines are
Comments	
No Comments	
PreCondition———————————————————————————————————	
1 (Condition	
No PreCondition	
PostCondition  No PostCondition	
Test Objectives————————————————————————————————————	
Test Objectives	
This test case assesses the ability of the EHR to create an administration message containing historical and new administrations fo including next of kin, patient consent, VIS, funding source and VFC data.	r a child
Evaluation Criteria	
Evaluation Criteria	
No evaluation criteria	
Notes to Testers	

## 1.1.1. Send administration message

#### Tests the ability to create a valid VXU^V04 message

#### **Test Story**

#### **Description**

**Evaluation Criteria** 

No evaluation criteria

A two month old male infant, Russell Clinton Richardson, is brought to the West Clinic for a well child visit by his mother Maria Elizabeth Richardson (nee Billington) and his father John William Richardson. A clinic staff member collects basic patient demographic information including name, date of birth and sex. A clinic provider, Wilma Thomas (physician ID 654) reviews the patient?s vaccination history and determines that the child previously received Hepatitis B vaccine 1 day after birth and 1 month after birth. The staff member determines that the patient needs DTaP, Hib, IPV, Rotavirus and Pneumococcal vaccinations. Because of the patient?s status of Native American, he qualifies for all Vaccine For Children (VFC) supplied vaccines under the status of VFC eligible? American Indian/Alaska Native. The parents are given 5 Vaccine Information Sheets (VIS) to review. After reading them, they agree that the child should receive all the vaccinations recommended. They also agree that the data should be shared once it is incorporated into the local IIS. Appropriate doses of DTaP/Hib/IPV (Pentacel), Rotavirus (Rota Teq) and Pneumococcal (Prevnar13) are selected from the clinic?s stock of publically funded vaccines. A clinician, Lily Jackson (ID 7824) prepares and administers the doses to the patient and then enters the data into the EHR and transmits it to the IIS.

Commence	
—Comments————————————————————————————————————	
No Comments	
-PreCondition	
No PreCondition	
10 FleCondition	
D = v4C = v - 1:4: = v	
PostCondition	
No PostCondition	
Test Objectives	
N. Tort Objections	
No Test Objectives	



## **Message Contents**

## MSH : Message Header

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	wcApp	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	issApp	
MSH.5.2	Universal ID	11	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624073733.994-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	12462	
MSH.11	Processing ID	12102	
MSH.11.1	Processing ID	P	
MSH.12	Version ID	<del>-</del>	
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier	1.12	
MSH.21.1	Entity Identifier	Z22	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID	CECTION	
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization		
MSH.22.1	Organization Name	wcEHR	
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	IIS	
MSH.23.6	Assigning Authority		
MSH.23.6.1	Namespace ID		
	Universal ID		
MSH.23 6 2			
MSH 23.6.2	Universal ID Type		
MSH.23.6.2 MSH.23.6.3 MSH.23.7	Universal ID Type  Identifier Type Code		

### -PID: Patient Identification-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	3123	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority	İ	
PID.3.4.1	Namespace ID	wcEHR	
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	Richardson	
PID.5.2	Given Name	Russell	
PID.5.3	Second and Further Given Names or Initials Thereof	Clint	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname	Billington	
PID.6.7	Name Type Code	M	
PID.7	Date/Time of Birth		
PID.7.1	Time	20150415	
PID.8	Administrative Sex	M	
PID.10	Race		
PID.10.1	Identifier	1002-5	
PID.10.2	Text	American Indian or Alaska Native	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5	Alternate Text	CDCREC	
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	543 Blount Drive	
PID.11.2	Other Designation	343 Blouit Dive	
PID.11.2 PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.4 PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country  Address Type	USA P	
PID.11.7	Address Type	r	
PID.13	Phone Number - Home	DDN	
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address	l nor	
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5557690	
PID.22	Ethnic Group	lator 5	
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
	Name of Alternate Coding System		
PID.22.6			
PID.24	Multiple Birth Indicator	N	
		N   1	

PID.3 Location	Patient Death IndlattoElemenmt	N	Data	Categrization

## -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	07	
PD1.11.2	Text	Recall only - no calls	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	<b>Protection Indicator</b>	N	
PD1.13	<b>Protection Indicator Effective Date</b>	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20150415	
PD1.18	Publicity Code Effective Date	20150624	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Richardson	
NK1.2.2	Given Name	Maria	
NK1.2.3	Second and Further Given Names or Initials Thereof	Elizabeth	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	MTH	
NK1.3.2	Text	Mother	
NK1.3.3	Name of Coding System	HL70063	
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	543 Blount Drive	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5557690	

#### NK1 : Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	2	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Richardson	
NK1.2.2	Given Name	John	
NK1.2.3	Second and Further Given Names or Initials Thereof	William	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
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	543 Blount Drive	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	СР	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5558299	

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	3140	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	38766	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	110	
RXA.5.2	Text	DTaP-Hep B-IPV	

RXAL52ation RXA.5.5	Name of Coding Systemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	526434	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150722	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

## -RXR : Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RT	
RXR.2.2	Text	Right Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	VXC50	
OBX.5.2	Text	Public	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V04	
OBX.5.2	Text	VFC Eligible - American Indian/Alaska Native	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300017211111108	
OBX.5.2	Text	Polio VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	6	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300005911120202	
OBX.5.2	Text	Hepatitis B VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	7	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	9	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300003511070517	
OBX.5.2	Text	Diphtheria/Tetanus/Pertussis (DTaP) VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	10	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **ORC**: Common Order-

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	8681	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	65138	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority	İ	
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	116	
RXA.5.2	Text	rotavirus, pentavalent	

RXAL5.3	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	2.0	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	297961	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150916	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

## -RXR : Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C38288	
RXR.1.2	Text	Oral	
RXR.1.3	Name of Coding System	NCIT	
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	VXC50	
OBX.5.2	Text	Public	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V04	
OBX.5.2	Text	VFC Eligible - American Indian/Alaska Native	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time		
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300019611150415	
OBX.5.2	Text	Rotavirus VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	7491	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	79539	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

I—————			
Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	133	
RXA.5.2	Text	Pneumococcal conjugate PCV 13	

RXAL5.3	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	353480	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150729	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	PFR	
RXA.17.2	Text	Pfizer, Inc	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

## -RXR : Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	VXC50	
OBX.5.2	Text	Public	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V04	
OBX.5.2	Text	VFC Eligible - American Indian/Alaska Native	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time		
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300015811130227	
OBX.5.2	Text	Pneumococcal Conjugate (PCV13) VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	9077	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	31528	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150416	
RXA.5	Administered Code		
RXA.5.1	Identifier	45	
RXA.5.2	Text	Hep B, unspecified formulation	

RXAL Seation RXA.5.5	Name of Coding David Elemenmt Alternate Text	CVX Data	Categrization
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.5	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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	299	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	82668	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

### -RXA: Pharmacy/Treatment Administration-

I—————————————————————————————————————			
Location	Data Elemenmt	Data	Categrization
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	20150515	
RXA.5	Administered Code		
RXA.5.1	Identifier	45	
RXA.5.2	Text	Hep B, unspecified formulation	

RXAL Seation	Name of Coding Name o	CVX Data	Categrization
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.5	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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# **Test Data Specification**

1 attent information		
Element	Data	
Patient Name	Russell Clint Richardson	
Mother's Maiden Name	Billington	
ID Number	3123	
Date/Time of Birth	04/15/2015	
Administrative Sex	M	
Patient Address 1	543 Blount Drive Bozeman MT 59715 USA	
Local Number	(406)555-7690	
Race	American Indian or Alaska Native	

Not Hispanic or Latino

Ethnic Group

Birth Order

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	04/15/2015
Publicity Code	Recall only - no calls
Publicity Code Effective Date	06/24/2015
Protection Indicator	N
Protection Indicator Effective Date	06/24/2015

### Guardian or Responsible Party-

Element	Data
Name	Maria Elizabeth Richardson
Relationship	Mother
Address	543 Blount Drive Bozeman MT 59715 USA
Phone Number or Email address	(406)555-7690

### Guardian or Responsible Party-

Element	Data
Name	John William Richardson
Relationship	Father
Address	543 Blount Drive Bozeman MT 59715 USA
Phone Number or Email address	(406)555-8299

Element	Data
Administered Code	DTaP-Hep B-IPV
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	526434
Substance Expiration Date	07/22/2015
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

### ---New Record-

Element	Data
Vaccine Funding Source	Public
Vaccine Funding Program Eligibility	VFC Eligible - American Indian/Alaska Native
Document Type	Polio VIS
Date Vis Presented	
Document Type	Hepatitis B VIS
Date Vis Presented	
Document Type	Diphtheria/Tetanus/Pertussis (DTaP) VIS
Date Vis Presented	

Element	Data
Administered Code	rotavirus, pentavalent
Date/Time Start of Administration	06/24/2015
Administered Amount	2.0
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	297961
Substance Expiration Date	09/16/2015
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Action Code	A
Route	Oral
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

### -New Record-

Element	Data
Vaccine Funding Source	Public
Vaccine Funding Program Eligibility	VFC Eligible - American Indian/Alaska Native
Document Type	Rotavirus VIS
Date Vis Presented	

Element	Data
Administered Code	Pneumococcal conjugate PCV 13
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	353480
Substance Expiration Date	07/29/2015
Substance Manufacturer Name	Pfizer, Inc
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Left Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

### New Record

Element	Data		
Vaccine Funding Source	Public		
Vaccine Funding Program Eligibility	VFC Eligible - American Indian/Alaska Native		
Document Type	Pneumococcal Conjugate (PCV13) VIS		
Date Vis Presented			

Element	Data
Administered Code	Hep B, unspecified formulation
Date/Time Start of Administration	04/16/2015
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

### -Historical Administration-

Element Data
--------------

Element	Data
Administered Code	Hep B, unspecified formulation
Date/Time Start of Administration	05/15/2015
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

### -Historical Administration-

Element Data
--------------

# 1.1.2. Consume acknowledgement message

### Tests the ability to consume a valid ACK message

### **Test Story**

	on
The IIS returns a po	ositive acknowledgement message indicating that no errors were found during the course of filing the message.
Commen	ts
No Comments	
PreCondi	ition———————————————————————————————————
A VXU mes	ssage is generated by the EHR.
PostCond	lition ————————————————————————————————————
V. D. of Till	
No PostCondition	
Test Obje	ectives
No Test Objectives	
Evoluatio	on Criteria————————————————————————————————————
varuatio	
The acknowledgem	nent message is consumed by the system responsible for the content of the administration message without error.
NT.4. 4 P	Testers————
NOTES TO	
Notes to	

# **Message Contents**

-MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID	113	
MSH.4.2 MSH.4.3			
	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	wcEHR	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624073734.034-0500	
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	23628	
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	CECTION	
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization		
MSH.22.1	Organization Name	IIS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID		
	Universal ID		
MSH.22.6.2			
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	wcEHR	
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		
11101112017			

### MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	12462	

# 1.2. TC-2

#### **Adult administration**

### **Test Story**

No Note

	on ·
	een at a clinic. Historical vaccinations are recorded and new vaccines ered and documented.
Comment	s
No Comments	
reCondi	tion————
No PreCondition	
ostCond	ition
No PostCondition	
est Obje	ctives
	es the ability of the EHR to create an administration message for an adult containing historical and new administrations
	n Critoria
'valuatio	
Evaluatio	

# 1.2.1. Send administration message

### Tests the ability to create a valid VXU^V04 message

### **Test Story**

No evaluation criteria

CSCII	iption ————————————————————————————————————	
nformation nd determine he patient's VIS) to rev ncorporated	Id female, Elise Wong, visits the West Clinic for a well woman visit. A clinic staff member collects basic patient der including name, date of birth and sex. A clinic provider, Wilma Thomas (physician ID 654) reviews the patient's vanes that Elise has received her influenza vaccinations on 10/12/2014 and 11/12/2013, but is in need of a tetanus boost age she does not qualify for Vaccine For Children (VFC) supplied vaccine. Elise is given the appropriate Vaccine I iew. After reading it, she agrees to receive the recommended vaccination. She also agrees that the data should be she into the local IIS. An appropriate dose of Tdap is selected from the clinic's stock of privately funded vaccines. A clinic value of the patient and then enters the data into the EHR and transmits it to the	accination history ster. Because of information Shee ared once it is linician, Lily
Comn	nents	
No Commer	nts	
No PreCond		
ostCon	dition	
est C	Objectives————————————————————————————————————	
No Test Obj	jectives	



## **Message Contents**

### MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID	113	
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
	1	20150/24004727/655 0500	
MSH.7.1	Time	20150624084727.655-0500	
MSH.9	Message Type	Type y	
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	72268	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
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	wcEHR	
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	IIS	
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		
	Organization Identifier		

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Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	Cutegrization
PID.3	Patient Identifier List		
PID.3.1	ID Number	90012	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
PID.3.4.2	Universal ID	WOLIN	
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	Wong	
PID.5.2	Given Name	Elise	
PID.5.3	Second and Further Given Names or Initials Thereof	Elise	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	19830615	
PID.8	Administrative Sex	F	
PID.10	Race		
PID.10.1	Identifier	2028-9	
PID.10.2	Text	Asian	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5	Alternate Text	EBERLE	
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	9200 Wellington Trail	
PID.11.2	Other Designation	7200 Wellington Tran	
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home	1	
PID.13.2	Telecommunication Use Code	PRN	
PID.13.2	Telecommunication Equipment Type	PH	
PID.13.3	Email Address	1 11	
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5557896	
PID.13	Phone Number - Home	3337890	
PID.13.2	Telecommunication Use Code	NET	
PID.13.2		1121	
PID.13.3 PID.13.4	Telecommunication Equipment Type  Email Address	Fliga Wong @ign a	
		Elise.Wong@isp.com	
PID.13.6	Area/City Code  Local Number		
PID.13.7			
PID.22	Ethnic Group	2196.5	
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System	N.	
PID.24	Multiple Birth Indicator	N	

PID.2Location	Birth Order Data Eler	nenmt 1	Data	Categrization
PID.29	Patient Death Date and Ti	me		
PID.29.1	Time			
PID.30	Patient Death Indicator	N		

# -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	02	
PD1.11.2	Text	Reminder/recall - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	N	
PD1.13	<b>Protection Indicator Effective Date</b>	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	19830615	
PD1.18	Publicity Code Effective Date	20150624	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	4422	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	13696	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

### -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
RXA.1	Give Sub-ID Counter	0	Cutegrization
RXA.2	Administration Sub-ID Counter	1	
RXA.3	Date/Time Start of Administration		
RXA.3.1	Time	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	113	
RXA.5.2	Text	Td (adult) preservative free	

RXAL5 3 ation RXA.5.5	Name of Coding Sacietiemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	315841	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20151216	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	PMC	
RXA.17.2	Text	Sanofi Pasteur	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	<b>Completion Status</b>	СР	
RXA.21	Action Code - RXA	A	

### -RXR : Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RD	
RXR.2.2	Text	Right Deltoid	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	PHC70	
OBX.5.2	Text	Private	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V01	
OBX.5.2	Text	Not VFC Eligible	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300028811150224	
OBX.5.2	Text	Tetanus/Diphtheria (Td) VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	6139	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	38760	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

### -RXA: Pharmacy/Treatment Administration-

I—————			
Location	Data Elemenmt	Data	Categrization
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	20141012	
RXA.5	Administered Code		
RXA.5.1	Identifier	88	
RXA.5.2	Text	influenza, unspecified formulation	

RXAL Seation RXA.5.5	Name of Coding David Elemenmt Alternate Text	CVX Data	Categrization
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.5	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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	7600	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	35508	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

### -RXA: Pharmacy/Treatment Administration-

¥ ,•	D / FI		0
Location	Data Elemenmt	Data	Categrization
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	20131112	
RXA.5	Administered Code		
RXA.5.1	Identifier	88	
RXA.5.2	Text	influenza, unspecified formulation	

RXAL 5 cation	Name of Coding Name o	CVX Data	Categrization
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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	İ	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.5	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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# **Test Data Specification**

D	4 •	4 T	C	4 •
PЯ	itier	it ti	1torr	nation
16	$\iota\iota\iota\iota\iota\iota\iota$	11 11		панын

Element	Data
Patient Name	Elise Wong
Mother's Maiden Name	
ID Number	90012
Date/Time of Birth	06/15/1983
Administrative Sex	F
Patient Address 1	9200 Wellington Trail Bozeman MT 59715 USA
Local Number	(406)555-7896
Race	Asian
Ethnic Group	Not Hispanic or Latino
Birth Order	1

-Immunization Registry Information-

Element	Data	
Immunization Registry Status	A	
Immunization Registry Status Effective Date	06/15/1983	
Publicity Code	Reminder/recall - any method	
Publicity Code Effective Date	06/24/2015	
Protection Indicator	N	
Protection Indicator Effective Date	06/24/2015	

Element	Data
Administered Code	Td (adult) preservative free
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	315841
Substance Expiration Date	12/16/2015
Substance Manufacturer Name	Sanofi Pasteur
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Deltoid
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

### -New Record-

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Tetanus/Diphtheria (Td) VIS
Date Vis Presented	

Element	Data
Administered Code	influenza, unspecified formulation
Date/Time Start of Administration	10/12/2014
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

### -Historical Administration-

Element Data
--------------

Element	Data
Administered Code	influenza, unspecified formulation
Date/Time Start of Administration	11/12/2013
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

### -Historical Administration-

Element Data
--------------

# 1.2.2. Consume acknowledgement message

### Tests the ability to consume a valid ACK message

### **Test Story**

The IIS returns a po	sitive acknowledgement message indicating that no errors were found during the course of filing the message.	
Comment	S	
No Comments		
DuoCandi	tion	
PreCondi	11011	
A > />/		
A VXU mes	sage is generated by the EHR.	
PostCond	ition —	
	1011	
No PostCondition		
140 I Ostcondition		
Гest Obje	ctives————	
<b>J</b>		
No Test Objectives		
Evaluatio	n Criteria	
The acknowledgeme	nt message is consumed by the system responsible for the content of the administration message without error.	
Notes to T	ostors—	
10168 10	CSICIS	

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1		wcEHR	
MSH.6.2	Namespace ID Universal ID	WCEHK	
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message	20150624004727660 0500	
MSH.7.1	Time	20150624084727.669-0500	
MSH.9	Message Type	Lorr	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	74602	
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	IIS	
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	wcEHR	
MSH.23.6	Assigning Authority		Ï
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		
	Organization Identifier		

### MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	72268	

# 1.3. TC-3

### Child administration without consent for sharing

### **Test Story**

No Note

·
Description
_ =
A child is seen at a clinic. A new vaccine is administered and documented but the information is not to shared by the IIS.
Comments
Comments
No Comments
PreCondition———————————————————————————————————
No PreCondition
PostCondition———————————————————————————————————
No PostCondition
Test Objectives————————————————————————————————————
This test case assesses the ability of the EHR to create an administration message for a child containing a new administration but an indication that the data should not be shared.
Evaluation Criteria————————————————————————————————————
No evaluation criteria
Notes to Testers—
1

## 1.3.1. Send administration message

#### Tests the ability to create a valid VXU^V04 message

#### **Test Story**

#### **Description**

An 11.5 year old female, Katherine Mackenzie Benton, is brought to the West Clinic for a third and final dose of HPV vaccine. She is accompanied by her mother Kari Michelle Benton (nee Jones). A clinic staff member collects basic patient demographic information including name, date of birth and sex. The mother is given the appropriate Vaccine Information Sheet (VIS) to review. After reading it, the mother agrees that the child should receive the HPV vaccine, but she chooses not to share the data once it is incorporated into the local IIS. A clinic provider, Wilma Thomas (physician ID 654) places an order for the vaccination. While the patient is covered by insurance, the plan does not cover this vaccination and she qualifies for Vaccine For Children (VFC) supplied vaccines under the status of VFC eligible - Underinsured. An appropriate doses of HPV (Gardasil) is selected from the clinic?s stock of publically funded vaccines. A clinician, Lily Jackson (ID 7824) prepares and administers the dose to the patient and then enters the data into the EHR and transmits it to the IIS.

Comments-				
No Comments				
<b>PreCondition</b>	)n——			
No PreCondition				
PostConditi	on			
PostConditi	on —			
	on —			
	on			
No PostCondition				
No PostCondition				
No PostCondition  Fest Object				
No PostCondition  Test Object				
No PostCondition  Test Object				
No PostCondition  Test Object  No Test Objectives	ives			
PostCondition  No PostCondition  Fest Object  No Test Objectives  Evaluation	ives			



# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.804-0500	
MSH.9	Message Type	20130024093047.004 0300	
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
		_	
MSH.10 MSH.11	Message Control ID	77732	
	Processing ID	P	
MSH.11.1	Processing ID Version ID	r	
MSH.12		2.5.1	
MSH.12.1	Version ID		
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier	1700	
MSH.21.1	Entity Identifier	Z22	
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	wcEHR	
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	IIS	
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-

Location	Data Elemenmt	Data	Categrizatio
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	89778	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Benton	
PID.5.2	Given Name	Katherine	
PID.5.2		Katherine	
PID.5.3	Second and Further Given Names or Initials Thereof	Mackenzie	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname	Jones	
PID.6.7	Name Type Code	M	
PID.7	Date/Time of Birth		
PID.7.1	Time	20031221	
PID.8	Administrative Sex	F	
PID.10	Race	-	
PID.10.1	Identifier	2106-3	
PID.10.1	Text	White	
PID.10.3	Name of Coding System	CDCREC	
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	89 West 21st Ave	
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.4	Area/City Code	406	
PID.13.0 PID.13.7	Local Number	5554019	
PID.22	Ethnic Group	2194 5	
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
110.22.0		NT.	
PID.24	Multiple Birth Indicator	N	
	Multiple Birth Indicator  Birth Order	1	

PID.3 Location	Patient Death IndlattoElemenmt	N	Data	Categrization

## -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	<b>Publicity Code</b>		
PD1.11.1	Identifier	01	
PD1.11.2	Text	No reminder/recall	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	<b>Protection Indicator</b>	Y	
PD1.13	<b>Protection Indicator Effective Date</b>	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20031221	
PD1.18	Publicity Code Effective Date	20150624	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Benton	
NK1.2.2	Given Name	Kari	
NK1.2.3	Second and Further Given Names or Initials Thereof	Michelle	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	MTH	
NK1.3.2	Text	Mother	
NK1.3.3	Name of Coding System	HL70063	
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	89 West 21st Ave	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5554019	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	5237	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	31309	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	118	
RXA.5.2	Text	HPV, bivalent	

RXAL5.3	Name of Coding David Elemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	795441	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20151223	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

## -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RD	
RXR.2.2	Text	Right Deltoid	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

# **Test Data Specification**

#### -Patient Information-

Element	Data		
Patient Name	Katherine Mackenzie Benton		
Mother's Maiden Name	Jones		
ID Number	89778		
Date/Time of Birth	12/21/2003		
Administrative Sex	F		
Patient Address 1	89 West 21st Ave Bozeman MT 59715 USA		
Local Number	(406)555-4019		
Race	White		
Ethnic Group	Not Hispanic or Latino		
Birth Order	1		

## -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	12/21/2003
Publicity Code	No reminder/recall
Publicity Code Effective Date	06/24/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/24/2015

## Guardian or Responsible Party-

Element	Data
Name	Kari Michelle Benton
Relationship	Mother
Address	89 West 21st Ave Bozeman MT 59715 USA
Phone Number or Email address	(406)555-4019

### -Vaccine Administration Information-

Element	Data
Administered Code	HPV, bivalent
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	795441
Substance Expiration Date	12/23/2015
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Deltoid
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### New Record

Element	Data
Vaccine Funding Source	Public
Vaccine Funding Program Eligibility	VFC Eligible - Underinsured
Document Type	Human papillomavirus Vaccine (Cervarix) VIS
Date Vis Presented	

# 1.3.2. Consume acknowledgement message

## Tests the ability to consume a valid ACK message

## **Test Story**

	tion — — — — — — — — — — — — — — — — — — —	
The IIS returns a	positive acknowledgement message indicating that no errors were found during the course of filing the message.	
		_
Comme	nts-	
	its	_
No Comments		
140 Comments		_
PreCon	dition ————————————————————————————————————	_
A VXU m	essage is generated by the EHR.	
		_
PostCor	dition	_
No PostCondition	n	
		—
F ( 0)	•	
Test Ob	jectives————————————————————————————————————	_
No Test Objectiv	es	—
Evaluat	ion Criteria	_
The acknowledge	ement message is consumed by the system responsible for the content of the administration message without error.	
		_
Notes to	Testers	_

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
		EHD	
MSH.6.1	Namespace ID Universal ID	wcEHR	
MSH.6.2			
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message	20150624002047.006.0500	
MSH.7.1	Time	20150624093847.806-0500	
MSH.9	Message Type	l av	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	65657	
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	IIS	
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	wcEHR	
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		
111011.40./	Organization Identifier		

## MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	77732	

# 1.4. TC-4

### **Child deleted administration**

# **Test Story**

Description
A child is seen at a clinic. A previously documented vaccination is deleted due to user error.
Comments
No Comments
PreCondition
No PreCondition
PostCondition———————————————————————————————————
No PostCondition
Test Objectives
This test case assesses the ability of the EHR to create a delete message for a previously sent administration.
Evaluation Criteria————————————————————————————————————
No evaluation criteria
Notes to Testers—
No Note

# 1.4.1. Send administration message

## Tests the ability to create a valid VXU^V04 message

## **Test Story**

Descripti		
	an HPV vaccination to the 11.5 year old female Katherine Benton the clinician, Leumented on the incorrect patient chart. She deletes the vaccination from the patient	
Commen	ts	
No Comments		
	•••	
PreCond	ition —	
No PreCondition		
PostCond	lition	
PostCond	lition	
	lition	
No PostCondition		
No PostCondition		
PostCondition  No PostCondition  Fest Objectives		
No PostCondition		
No PostCondition  Fest Objectives	ectives	
No PostCondition  Fest Objectives		
No PostCondition  Fest Objectives  No Test Objectives	ectives on Criteria	
No PostCondition  Fest Objectives  No Test Objectives	ectives on Criteria	
No PostCondition  Fest Objectives	ectives  on Criteria	

# **Message Contents**

-MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
	_	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.804-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	71892	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier	AL	
MSH.21.1	Entity Identifier	Z22	
MSH.21.1	Namespace ID	CDCPHINVS	
	Universal ID	CDCPHINVS	
MSH.21.3			
MSH.21.4	Universal ID Type  Sending Responsible Organization		
MSH.22	<u> </u>	EMB	
MSH.22.1	Organization Name	wcEHR	
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	IIS	
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		

## -PID: Patient Identification—

Location	Data Elemenmt	Data	Categrizatio
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	89778	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Benton	
PID.5.2	Given Name	Katherine	
PID.5.3	Second and Further Given Names or Initials Thereof	Mackenzie	
PID.5.7	Name Type Code	L	
PID.5.7	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname	Jones	
PID.6.1.1	Name Type Code	M	
	Date/Time of Birth	IM	
PID.7		20021221	
PID.7.1	Time	20031221	
PID.8	Administrative Sex	F	
PID.10	Race	laus a	
PID.10.1	Identifier	2106-3	
PID.10.2	Text	White	
PID.10.3	Name of Coding System	CDCREC	
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	89 West 21st Ave	
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5554019	
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	N	
PID.25	Birth Order	1	
PID.29	Patient Death Date and Time	-	
119.11/	Time		

PID.3 Location	Patient Death Indiate Elemenmt	N	Data	Categrization

## -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	01	
PD1.11.2	Text	No reminder/recall	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	<b>Protection Indicator Effective Date</b>	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20031221	
PD1.18	Publicity Code Effective Date	20150624	

#### -NK1 : Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Benton	
NK1.2.2	Given Name	Kari	
NK1.2.3	Second and Further Given Names or Initials Thereof	Michelle	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	MTH	
NK1.3.2	Text	Mother	
NK1.3.3	Name of Coding System	HL70063	
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	89 West 21st Ave	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	РН	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5554019	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	5237	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	31309	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	118	
RXA.5.2	Text	HPV, bivalent	

RXAL52ation RXA.5.5	Name of Coding Systemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	795441	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20151223	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	D	

## -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RD	
RXR.2.2	Text	Right Deltoid	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

# **Test Data Specification**

#### -Patient Information-

Element	Data
Patient Name	Katherine Mackenzie Benton
Mother's Maiden Name	Jones
ID Number	89778
Date/Time of Birth	12/21/2003
Administrative Sex	F
Patient Address 1	89 West 21st Ave Bozeman MT 59715 USA
Local Number	(406)555-4019
Race	White
Ethnic Group	Not Hispanic or Latino
Birth Order	1

## -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	12/21/2003
Publicity Code	No reminder/recall
Publicity Code Effective Date	06/24/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/24/2015

## Guardian or Responsible Party-

Element	Data
Name	Kari Michelle Benton
Relationship	Mother
Address	89 West 21st Ave Bozeman MT 59715 USA
Phone Number or Email address	(406)555-4019

### -Vaccine Administration Information-

Element	Data
Administered Code	HPV, bivalent
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	795441
Substance Expiration Date	12/23/2015
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Action Code	D
Route	Intramuscular
Administration Site	Right Deltoid
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### New Record

Element	Data
Vaccine Funding Source	Public
Vaccine Funding Program Eligibility	VFC Eligible - Underinsured
Document Type	Human papillomavirus Vaccine (Cervarix) VIS
Date Vis Presented	

# 1.4.2. Consume acknowledgement message

## Tests the ability to consume a valid ACK message

## **Test Story**

The IIS returns	a positive acknowledgement message indicating that no errors were found during the course of filing the message.
Comme	nts
No Comments	
PreCon	dition————
recon	uitivii
A VXU m	essage is generated by the EHR.
,	booking to gonerated by the Erint.
PostCor	ndition
No PostCondition	on
Гest Ob	jectives————————————————————————————————————
No Test Objecti	ves
Evaluat	ion Criteria
The acknowleds	gement message is consumed by the system responsible for the content of the administration message without error.
Notes to	Testers

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	wcEHR	
MSH.6.1 MSH.6.2	Universal ID	WCETIK	
MSH.6.2 MSH.6.3			
	Universal ID Type		
MSH.7	Date/Time Of Message	20150/24002047.00/.0500	
MSH.7.1	Time	20150624093847.806-0500	
MSH.9	Message Type	Low	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	65657	
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	IIS	
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	wcEHR	
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		
	Organization Identifier		

## MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	71892	

# 1.5. TC-5

## Child partial administration

## **Test Story**

No Note

A child is seen at a clinic. A new vaccination is administered but only a partial dose is given.  Comments  PreCondition  No PreCondition  PostCondition  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.	
Comments  PreCondition  No PreCondition  PostCondition  Test Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	Description
Comments  PreCondition  No PreCondition  PostCondition  Test Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
Comments  PreCondition  No PreCondition  PostCondition  No PostCondition  Test Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	A child is seen at a clinic. A new vaccination is administered but only a partial dose is
PreCondition No PreCondition PostCondition No PostCondition Test Objectives This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Civaluation Criteria No evaluation criteria	given.
PreCondition No PreCondition PostCondition No PostCondition Test Objectives This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Civaluation Criteria No evaluation criteria	
PreCondition No PreCondition PostCondition No PostCondition Test Objectives This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Civaluation Criteria No evaluation criteria	
PreCondition  No PreCondition  No PostCondition  Sest Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	Comments
PreCondition  No PreCondition  No PostCondition  Sest Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
PostCondition  No PostCondition  Sest Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	No Comments
PostCondition  No PostCondition  Sest Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
PostCondition  No PostCondition  Sest Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
PostCondition  No PostCondition  Test Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	PreCondition———————————————————————————————————
PostCondition  No PostCondition  Test Objectives  This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	No PreCondition
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	PostCondition———————————————————————————————————
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Evaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	No PostCondition
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	
This test case assesses the ability of the EHR to create an administration message for child who received a partial administration of a vaccine.  Cvaluation Criteria  No evaluation criteria	Test Objectives————————————————————————————————————
Cvaluation Criteria  No evaluation criteria	
Cvaluation Criteria  No evaluation criteria	This test case assesses the ability of the FHR to create an administration message for child who received a
No evaluation criteria	partial administration of a vaccine.
No evaluation criteria	
No evaluation criteria	
	Evaluation Criteria————————————————————————————————————
	No evaluation criteria
lotes to Testers	1.00 - 1.0
Notes to Testers	
10163 10 1 631613	Notes to Testers——————————————————————————————————

## 1.5.1. Send administration message

#### Tests the ability to create a valid VXU^V04 message

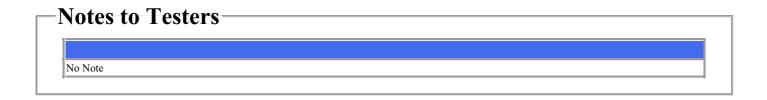
#### **Test Story**

#### **Description**

No evaluation criteria

An 18 month old male, Daryl Andre Johnson, is brought to the West Clinic for a well child visit by his father James Terrance Johnson. Daryl?s twin brother, born 5 minutes before Daryl, was not able to make it to the clinic. A clinic staff member collects basic patient demographic information including name, date of birth and sex. A clinic provider, Wilma Thomas (physician ID 654) reviews the patient?s vaccination history and determines that the child requires a Hep A vaccination. The child is covered by insurance and does not qualify for all Vaccine For Children (VFC) supplied vaccines. The father is given the Vaccine Information Sheet (VIS) to review. After reading it, the father agrees that the child should receive the Hep A vaccine He also agrees that the data should be shared once it is incorporated into the local IIS. An appropriate dose of Hep A is selected from the clinic?s stock of privately funded vaccines. A clinician, Lily Jackson (ID 7824) prepares and administers the doses to the patient, however the patient moves unexpectedly during the administration and only a portion of the dose is actually administered. The clinician enters the data into the EHR as a partial administration and transmits it to the IIS.

Comments—				
No Comments				
<b>PreCondition</b>	1			
No PreCondition				
Dagt Canditia	-			
PostConditio	n			
	n-			
PostConditio  No PostCondition	n			
	n			
No PostCondition				
No PostCondition  Fest Objective				
No PostCondition				
No PostCondition  Fest Objective				
No PostCondition  Fest Objective	ves —			



# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.806-0500	
MSH.9	Message Type	20130024093847.800-0300	
MSH.9.1		VXU	
MSH.9.1 MSH.9.2	Message Code  Trigger Event	VV04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	29407	
MSH.11	Processing ID	la la	
MSH.11.1	Processing ID	P	
MSH.12	Version ID		
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
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	wcEHR	
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	IIS	
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-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	76511	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Johnson	
PID.5.2	Given Name	Daryl	
PID.5.3	Second and Further Given Names or Initials Thereof	Andre	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name	- 	
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20131203	
PID.8	Administrative Sex	M	
PID.10	Race	IVI	
PID.10.1	Identifier	2054-5	
PID.10.1	Text	African American	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5 PID.10.5	Alternate Text	CDCREC	
PID.10.5 PID.10.6			
PID.10.0	Name of Alternate Coding System  Patient Address		
PID.11.1	Street Address		
		125 Agran Crassant	
PID.11.1.1 PID.11.2	Street or Mailing Address	125 Aspen Crescent	
	Other Designation	D	
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home	DDAY	
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address	land	
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5551807	
PID.22	Ethnic Group	210.5	
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	Y	
PID.25	Birth Order	2	
PID.29	Patient Death Date and Time		
PID.29.1	Time		

PID.3 Location Patient Death Indleatto Elemenmt N Data Categrization	nt Data Categrization
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# -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	04	
PD1.11.2	Text	Reminder only - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	Protection Indicator Effective Date	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20131203	
PD1.18	Publicity Code Effective Date	20150624	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Johnson	
NK1.2.2	Given Name	James	
NK1.2.3	Second and Further Given Names or Initials Thereof	Terrance	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
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	125 Aspen Crescent	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5551807	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	773	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	22119	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
RXA.1	Give Sub-ID Counter	0	Cutegrization
RXA.2	Administration Sub-ID Counter	1	
RXA.3	Date/Time Start of Administration		
RXA.3.1	Time	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	83	
RXA.5.2	Text	Hep A, ped/adol, 2 dose	

RXAL5.3	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	68736	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150729	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	PA	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

# **Test Data Specification**

### -Patient Information-

Element	Data		
Patient Name	Daryl Andre Johnson		
Mother's Maiden Name			
ID Number	76511		
Date/Time of Birth	12/03/2013		
Administrative Sex	M		
Patient Address 1	125 Aspen Crescent Bozeman MT 59715 USA		
Local Number	(406)555-1807		
Race	African American		
Ethnic Group	Not Hispanic or Latino		
Birth Order	2		

## -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	12/03/2013
Publicity Code	Reminder only - any method
Publicity Code Effective Date	06/24/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/24/2015

## Guardian or Responsible Party-

Element	Data
Name	James Terrance Johnson
Relationship	Father
Address	125 Aspen Crescent Bozeman MT 59715 USA
Phone Number or Email address	(406)555-1807

### -Vaccine Administration Information-

Element	Data		
Administered Code	Hep A, ped/adol, 2 dose		
Date/Time Start of Administration	06/24/2015		
Administered Amount	0.5		
Administered Units	mL		
Administration Notes	New Record		
Administering Provider	Lily Jackson		
Substance Lot Number	68736		
Substance Expiration Date	07/29/2015		
Substance Manufacturer Name	Merck and Co., Inc.		
Substance/Treatment Refusal Reason			
Action Code	A		
Route	Intramuscular		
Administration Site	Left Thigh		
Entering Organization	West Clinic		
Entered By	Lily Jackson		
Ordered By	Wilma Thomas		

#### New Record

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Hepatitis A VIS
Date Vis Presented	

# 1.5.2. Consume acknowledgement message

## Tests the ability to consume a valid ACK message

## **Test Story**

The IIS returns a po	sitive acknowledgement message indicating that no errors were found during the course of filing the message.	
		_
Comment	ts-	_
No Comments		
		_
PreCondi	tion————	_
A VXU mes	sage is generated by the EHR.	
		—
PostCond	ition————	
USICONO	icion	
No PostCondition		
		_
Γest Obje	ectives————	_
No Test Objectives		
Evaluatio	n Criteria	_
The acknowledgeme	ent message is consumed by the system responsible for the content of the administration message without error.	_
		_
Notes to 7	Testers——————————————————————————————————	_
1000 00 1		

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
		EHD	
MSH.6.1	Namespace ID Universal ID	wcEHR	
MSH.6.2			
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message	20150524002045055	
MSH.7.1	Time	20150624093847.807-0500	
MSH.9	Message Type	l av	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	51291	
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	IIS	
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	wcEHR	
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		
111011.40./	Organization Identifier		

# MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	29407	

# 1.6. TC-6

## Child administration with refusal

## **Test Story**

No Note

Description	
A child is see is refused by	n at a clinic. A new vaccinations are administered but an additional one the parents.
Comments	
No Comments	
PreCondit	ion————————————————————————————————————
No PreCondition	
No Frecondition	
	tion
PostCondi	tion
	tion
	tion —
No PostCondition	
No PostCondition	
No PostCondition  Fest Object  This test case as:	esses the ability of the EHR to create an administration message for child whose parents
PostCondi No PostCondition  Fest Object This test case as have refused an interpretable to the condition to	esses the ability of the EHR to create an administration message for child whose parents
No PostCondition  Fest Object  This test case as:	esses the ability of the EHR to create an administration message for child whose parents
No PostCondition  Fest Object  This test case as have refused an i	sesses the ability of the EHR to create an administration message for child whose parents mmunization.
No PostCondition  Fest Object  This test case as have refused an i	sesses the ability of the EHR to create an administration message for child whose parents mmunization.
No PostCondition  Fest Object  This test case as:	sesses the ability of the EHR to create an administration message for child whose parents mmunization.

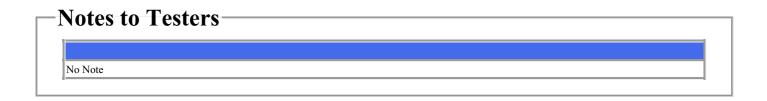
# 1.6.1. Send administration message

## Tests the ability to create a valid VXU^V04 message

## **Test Story**

No evaluation criteria

male, Tyler Owen Banks, is brought to the West Clinic for a well child visit. He is accompanied by his father Karl Leonard Banks member collects basic patient demographic information including name, date of birth and sex. A clinic provider, Joe Smith D 123) reviews the patient's vaccination history and determines that the child requires Hib, Hep A, MMR and Varicella vaccination covered by insurance and does not qualify for all Vaccine For Children (VFC) supplied vaccines. The father is given the appropria rmation Sheets (VIS) to review. After reading them, the father agrees that the child should receive the Hib, Hep A and MMR refuses the Varicella vaccine. He also agrees that the data should be shared once it is incorporated into the local IIS. Appropriate, Hep A and MMR are selected from the clinic's stock of privately funded vaccines. A clinician, Lily Jackson (ID 456) prepares an he doses to the patient and then enters the data into the EHR and transmits it to the IIS.
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# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.808-0500	
MSH.9	Message Type	20130024073647.606-0300	
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
	Message Control ID	18019	
MSH.10 MSH.11		18019	
	Processing ID	P	
MSH.11.1 MSH.12	Processing ID  Version ID	r	
		2.5.1	
MSH.12.1	Version ID	2.5.1 ER	
MSH.15	Accept Acknowledgment Type		
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier	722	
MSH.21.1	Entity Identifier	Z22	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID		
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization	FIID	
MSH.22.1	Organization Name	wcEHR	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID		
MSH.22.6.2	Universal ID Torre		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code		
MSH.22.10	Organization Identifier		
MSH.23	Receiving Responsible Organization	пе	
MSH.23.1	Organization Name	IIS	
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-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	8891	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority	İ	
PID.3.4.1	Namespace ID	wcEHR	
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	Banks	
PID.5.2	Given Name	Tyler	
PID.5.3	Second and Further Given Names or Initials Thereof	Owen	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20140602	
PID.8	Administrative Sex	M	
PID.10	Race	IVI	
PID.10.1	Identifier	2106-3	
PID.10.1	Text	White	
PID.10.2		CDCREC	
PID.10.5	Name of Coding System  Alternate Text	CDCREC	
PID.10.5			
PID.11	Name of Alternate Coding System  Patient Address		
PID.11.1	Street Address		
PID.11.1		024 Sysamora I and	
	Street or Mailing Address	924 Sycamore Lane	
PID.11.2	Other Designation	  D	
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5555835	
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	N	
PID.25	Birth Order	1	
PID.29	Patient Death Date and Time		
PID.29.1	Time		

PID.3 Location Patient Death Indleatto Elemenmt N Data Categrization	nt Data Categrization
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## -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	02	
PD1.11.2	Text	Reminder/recall - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	N	
PD1.13	Protection Indicator Effective Date	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20040602	
PD1.18	Publicity Code Effective Date	20150624	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Banks	
NK1.2.2	Given Name	Karl	
NK1.2.3	Second and Further Given Names or Initials Thereof	Leonard	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
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	924 Sycamore Lane	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5555835	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	5645	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	22515	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	48	
RXA.5.2	Text	Hib (PRP-T)	

RXAL5 dation RXA.5.5	Name of Coding Sacientemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	328734	
RXA.16	<b>Substance Expiration Date</b>		
RXA.16.1	Time	20150923	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RT	
RXR.2.2	Text	Right Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX : Observation/Result—————

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	5027	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	12128	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
RXA.1	Give Sub-ID Counter	0	Cutegrization
RXA.2	Administration Sub-ID Counter	1	
RXA.3	Date/Time Start of Administration		
RXA.3.1	Time	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	83	
RXA.5.2	Text	Hep A, ped/adol, 2 dose	

RXAL5-3ation RXA.5.5	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	208940	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20160120	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RT	
RXR.2.2	Text	Right Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX : Observation/Result—————

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	7239	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	50588	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	03	
RXA.5.2	Text	MMR	

RXAL52ation RXA.5.5	Name of Coding Systemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	134301	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20151028	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### OBX : Observation/Result—————

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
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	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	21	
RXA.5.2	Text	varicella	

RXAL5.3	Name of Coding National Alternate Text	CVX Data	Categrizati
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.7.5	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.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2	Surname		
RXA.10.2.1	Given Name		
KAA.10.3			
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier	00	
RXA.18.2	Text	Parental decision	
RXA.18.3	Name of Coding System	NIP002	
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	RE	
RXA.21	Action Code - RXA	A	

## **Test Data Specification**

<b>Patient</b>	Inform	nation
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Element	Data
Patient Name	Tyler Owen Banks
Mother's Maiden Name	
ID Number	8891
Date/Time of Birth	06/02/2014
Administrative Sex	M
Patient Address 1	924 Sycamore Lane Bozeman MT 59715 USA
Local Number	(406)555-5835
Race	White
Ethnic Group	Not Hispanic or Latino
Birth Order	1

-Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	06/02/2004
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	06/24/2015
Protection Indicator	N
Protection Indicator Effective Date	06/24/2015

Guardian or Responsible Party-

Element	Data
Name	Karl Leonard Banks
Relationship	Father
Address	924 Sycamore Lane Bozeman MT 59715 USA
Phone Number or Email address	(406)555-5835

Element	Data
Administered Code	Hib (PRP-T)
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	328734
Substance Expiration Date	09/23/2015
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### -New Record-

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Multiple Vaccines VIS
Date Vis Presented	

Element	Data
Administered Code	Hep A, ped/adol, 2 dose
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	208940
Substance Expiration Date	01/20/2016
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### -New Record-

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Hepatitis A VIS
Date Vis Presented	

Element	Data
Administered Code	MMR
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	134301
Substance Expiration Date	10/28/2015
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Left Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### -New Record-

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Measles/Mumps/Rubella VIS
Date Vis Presented	

Element	Data
Administered Code	varicella
Date/Time Start of Administration	06/24/2015
Administered Amount	999
Administered Units	
Administration Notes	
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	Parental decision
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

	El	ement	Data
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# 1.6.2. Consume acknowledgement message

### Tests the ability to consume a valid ACK message

### **Test Story**

The IIS retu	rns a positive acknowledgement message indicating that no errors were found during the course of filing the message.
Comn	ients————————————————————————————————————
No Commer	uts
PreCo	ndition
A VXU	message is generated by the EHR.
~	
PostC	ondition———————————————————————————————————
No PostCon	lition
Гest С	Objectives — — — — — — — — — — — — — — — — — — —
No Test Obj	ectives
Lvalu	ation Criteria
The acknow	ledgement message is consumed by the system responsible for the content of the administration message without error.
Notes	to Testers—

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
		EHD	
MSH.6.1	Namespace ID Universal ID	wcEHR	
MSH.6.2			
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message	001 50 50 10000 15 000 0 500	
MSH.7.1	Time	20150624093847.822-0500	
MSH.9	Message Type	l av	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	79946	
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	IIS	
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	wcEHR	
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		
101311.43./	Organization Identifier		

## MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	18019	

## 1.7. TC-7

## Child updated administration

## **Test Story**

Description	on
Descriper	
A child is se inaccurate i	een at a clinic. A previously documented vaccination is updated to correct nformation
Comment	ts———
No Comments	
PreCondi	tion————————————————————————————————————
No PreCondition	
PostCond	lition———————————————————————————————————
USICOIIG	
No PostCondition	
No PosiCondition	
Foot Ohio	octivos —
Γest Obje	cuves
This test case a	asses the ability of the EHR to create an update message for a previously sent administration.
·	
Evaluatio	on Criteria
No evaluation criter	ia
Notes to 3	Testers — — — — — — — — — — — — — — — — — — —
No Note	

# 1.7.1. Send administration message

### Tests the ability to create a valid VXU^V04 message

## **Test Story**

Descript	ion————
F	
A 61	
	ent vaccinations for Tyler Owen Banks the clinician, Lily Jackson (ID 456) recognizes that an error pring data entry for the Hepatitis A vaccine. The Lot Number was entered incorrectly. She updates
the data in th	e EHR and transmits it to the IIS.
Commei	ats ————
ZOIIIIII CI	165
No Comments	
reCond	lition ————————————————————————————————————
No PreCondition	
ostCon	dition———————————————————————————————————
No PostCondition	
NO POSICOIIGITIOI	
	•
est Obj	jectives — — — — — — — — — — — — — — — — — — —
No Test Objective	es
-9 / - 1	
	on Critoria
	on Criteria
	on Criteria
Evaluati	
Evaluati	
Evaluati	
<b>Evaluati</b> No evaluation cri	teria
<b>Evaluati</b> No evaluation cri	
<b>Evaluati</b> No evaluation cri	teria

# **Message Contents**

## MSH : Message Header

Data Elemenmt	Data	Categrizatio
Field Separator	FieldSeperator	
Encoding Characters	Encoding	
Sending Application		
Namespace ID		
Universal ID		
Universal ID Type		
Sending Facility		
Namespace ID	wcEHR	
Universal ID		
Universal ID Type		
Receiving Application		
Universal ID		
	IIS	
	20150624093847.808-0500	
	20130024073047.000 0300	
	VXII	
	18019	
	D	
-	r	
	2.5.1	
	AL	
	722	
· ·		
	CDCFHINVS	
	WCEHR	
	пе	
Organization Name	IIS	
Assigning Authority		
Namespace ID		
Namespace ID Universal ID		
Namespace ID		
	Field Separator  Encoding Characters  Sending Application  Namespace ID  Universal ID  Universal ID Type  Sending Facility  Namespace ID  Universal ID Type  Receiving Application  Namespace ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Universal ID  Version ID  Processing ID  Processing ID  Version ID  Accept Acknowledgment Type  Message Profile Identifier  Entity Identifier  Namespace ID  Universal ID Type  Sending Responsible Organization  Organization Identifier  Receiving Responsible Organization  Receiving Responsible Organization	Field Separator   Field Separator

### -PID: Patient Identification-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	8891	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Banks	
PID.5.2	Given Name	Tyler	
PID.5.3	Second and Further Given Names or Initials	Owen	
DID 5 7	Thereof	T T	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20040602	
PID.8	Administrative Sex	M	
PID.10	Race		
PID.10.1	Identifier	2106-3	
PID.10.2	Text	White	
PID.10.3	Name of Coding System	CDCREC	
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	924 Sycamore Lane	
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5555835	
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	N	
PID.25	Birth Order	1	
1 1D.43	Dir til Oluci	1	
PID.29	Patient Death Date and Time		

PID.3 Location Patient Death Indleatto Elemenmt N Data Categrization	nt Data Categrization
--	-----------------------

## -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	<b>Publicity Code</b>		
PD1.11.1	Identifier	02	
PD1.11.2	Text	Reminder/recall - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	<b>Protection Indicator Effective Date</b>	20150624	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20040602	
PD1.18	Publicity Code Effective Date	20150624	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Banks	
NK1.2.2	Given Name	Karl	
NK1.2.3	Second and Further Given Names or Initials Thereof	Leonard	
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
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	924 Sycamore Lane	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5555835	

#### **ORC**: Common Order-

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	5027	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	12128	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150624	
RXA.5	Administered Code		
RXA.5.1	Identifier	83	
RXA.5.2	Text	Hep A, ped/adol, 2 dose	

RXAL5-3ation RXA.5.5	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	208490	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20160120	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	U	

## -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RT	
RXR.2.2	Text	Right Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	PHC70	
OBX.5.2	Text	Private	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V01	
OBX.5.2	Text	Not VFC Eligible	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300004211111025	
OBX.5.2	Text	Hepatitis A VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150624	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150624	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

## **Test Data Specification**

#### -Patient Information-

Element	Data
Patient Name	Tyler Owen Banks
Mother's Maiden Name	
ID Number	8891
Date/Time of Birth	06/02/2004
Administrative Sex	M
Patient Address 1	924 Sycamore Lane Bozeman MT 59715 USA
Local Number	(406)555-5835
Race	White
Ethnic Group	Not Hispanic or Latino
Birth Order	1

#### -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	06/02/2004
Publicity Code	Reminder/recall - any method
Publicity Code Effective Date	06/24/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/24/2015

#### Guardian or Responsible Party-

Element	Data
Name	Karl Leonard Banks
Relationship	Father
Address	924 Sycamore Lane Bozeman MT 59715 USA
Phone Number or Email address	(406)555-5835

#### -Vaccine Administration Information-

Element	Data
Administered Code	Hep A, ped/adol, 2 dose
Date/Time Start of Administration	06/24/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	208490
Substance Expiration Date	01/20/2016
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Action Code	U
Route	Intramuscular
Administration Site	Right Thigh
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

#### New Record

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Hepatitis A VIS
Date Vis Presented	

# 1.7.2. Consume acknowledgement message

ests the ability to consume a valid ACK message

## **Test Story**

TIL WO		
The IIS returns an	acknowledgement message indicating that a fatal error was found during the course of processing the message.	_
Commen	ts-	_
No Comments		
		_
PreCond	ition ————————————————————————————————————	_
A VXU mes	ssage is generated by the EHR.	
		_
<b>PostCond</b>	lition ————————————————————————————————————	—
No PostCondition		
		—
Fest Obj	ectives	
No Test Objectives		_
		_
Evoluatio	on Criteria	
2 v aluati	ni Criteria	
The colonoviledgen	ent message is consumed by the system responsible for the content of the administration message without error.	
The acknowledgen	ent message is consumed by the system responsible for the content of the administration message without error.	_
Notes to	Testers————	_
100000		_

## **Message Contents**

-MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID	113	
MSH.4.3	Universal ID Type		
MSH.5			
	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	wcEHR	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150624093847.822-0500	
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	79946	
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	IIS	
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	wcEHR	
MSH.23.6	Assigning Authority	WELIIK	
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

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	18019	

## 1.8. TC-8

### Historical administration resulting in fatal error

#### **Test Story**

No Note

Desci	ription ————————————————————————————————————
to pro	ient is seen at a clinic. A historical vaccination is recorded but the IIS is unable cess the administration message, rejects it and returns a fatal error in cknowledgement message.
Com	ments
No Comn	nents
PreC	Condition
No PreCo	
Post(	Condition
	ned error must be visible in the EHR.
Гest	Objectives —
This test	case assesses the ability of the EHR to accept an acknowledgement message with a fatal error being returned by the IIS.
Evah	uation Criteria
2 V al	

# 1.8.1. Send administration message

## Tests the ability to create a valid VXU^V04 message

### **Test Story**

V	
Description-	
information including nan	en Barrett, comes to the West Clinic for a physical. A clinic staff member collects basic patient demographic ne, date of birth and sex. The patient reports that she received a Zoster vaccination at a local pharmacy on her 65th letermine that no further vaccinations are required. A clinician, Lily Jackson (ID 7824) enters the historical data into the e IIS.
Comments-	
No Comments	
<b>PreConditio</b>	n
No PreCondition	
PostConditie	on———
No PostCondition	
Fest Objecti	ves
No Test Objectives	
<b>Evaluation</b> (	Criteria — — — — — — — — — — — — — — — — — — —
No evaluation criteria	
Notes to Tes	ters-
No Note	
1.511000	

# **Message Contents**

## MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
	-	luc luc	
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID Tyres		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625121047.839-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	35560	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
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	wcEHR	
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	IIS	
MSH.23.6	Assigning Authority	110	
MSH.23.6.1	Namespace ID		
MSH.23.6.2	Universal ID Torre		
MOTTOR	Universal ID Type		
MSH.23.6.3 MSH.23.7	Identifier Type Code		

_								

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	Cutcgrization
PID.3	Patient Identifier List	-	
PID.3.1	ID Number	7120	
PID.3.3	Check Digit Scheme	17523	
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Barrett	
PID.5.2	Given Name	Helen	
PID.5.3	Second and Further Given Names or Initials Thereof		
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	19500317	
PID.8	Administrative Sex	F	
PID.10	Race		
PID.10.1	Identifier	2106-3	
PID.10.2	Text	White	
PID.10.3	Name of Coding System	CDCREC	
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	763 Main St	
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5554064	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	NET	
PID.13.3	Telecommunication Equipment Type		
PID.13.4	Email Address	Helen.Barrett@isp.com	
PID.13.6	Area/City Code		
PID.13.7	Local Number		
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.3	11101111110 10111		
PID.22.5	Name of Alternate Coding System		

PID.2Location	Birth Order Data E	lemenmt	1	Data	Categrization
PID.29	Patient Death Date and	Time			
PID.29.1	Time				
PID.30	Patient Death Indicator		N		

# -PD1 : Patient Additional Demographic

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	06	
PD1.11.2	Text	Recall only - any method	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	Y	
PD1.13	Protection Indicator Effective Date	20150625	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	19500317	
PD1.18	Publicity Code Effective Date	20150625	

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	7646	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	53100	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme	_	
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150317	
RXA.5	Administered Code		
RXA.5.1	Identifier	121	
RXA.5.2	Text	zoster	

RXAL5.3	Name of Coding National Alternate Text	CVX Data	Categrizatio
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.17.1	Text		
RXA.17.2	Name of Coding System		
RXA.17.5	Alternate Text		
RXA.17.5	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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.18.0	Completion Status	СР	
RXA.21	Action Code - RXA		
IVAA.21	Activit Cour - KAA	A	

## **Test Data Specification**

P	ati	en.	<del>/</del> 1	n	fai	rm	ati	on-
1 2	4.1.1	CII	L				4.1.	

Element	Data
Patient Name	Helen Barrett
Mother's Maiden Name	
ID Number	7120
Date/Time of Birth	03/17/1950
Administrative Sex	F
Patient Address 1	763 Main St Bozeman MT 59715 USA
Local Number	(406)555-4064
Race	White
Ethnic Group	Not Hispanic or Latino
Birth Order	1

# -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	03/17/1950
Publicity Code	Recall only - any method
Publicity Code Effective Date	06/25/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/25/2015

#### -Vaccine Administration Information-

Element	Data
Administered Code	zoster
Date/Time Start of Administration	03/17/2015
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

#### -Historical Administration-

Element Data
--------------

# 1.8.2. Consume acknowledgement message

Tests the ability to consume an ACK message containing a fatal error

# **Test Story**

Descrij	ption————————————————————————————————————
to identify the	mapping error in their CVX table and is unable to recognize the CVX code sent in RXA-5 even though it is valid. The IIS is unate appropriate vaccine, which is a required element, and rejects the message. The acknowledgement message returned contains emapping, missing required field (RXA-5) and missing required segment (RXA).
Comm	ents————————————————————————————————————
No Comments	S
reCoi	ndition———————————————————————————————————
A VXU r	message is generated by the EHR.
ostCs	andition
osico	ondition———————————————————————————————————
No PostCondi	ition
T = =:4	1. *
est O	bjectives
No Test Objec	ctives
Evalua	ition Criteria
The errors r	returned in the ACK message must be visible in the EHR.
Jotes t	to Testers——————————————————————————————————

# **Message Contents**

# -MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application	Encouning	
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4			
	Sending Facility	пе	
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	wcEHR	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625121047.853-0500	
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	20428	
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	IIS	
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.22.10 MSH.23	Receiving Responsible Organization		
MSH.23.1		wcEHR	
MSH.23.1 MSH.23.6	Organization Name	WEETIK	
	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		

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AE	
MSA.2	Message Control ID	35560	

#### -ERR : Error-

Location	Data Elemenmt	Data	Categrization
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	1	
ERR.2.5	Component Number	1	
ERR.2.6	Sub-Component Number		
ERR.3	HL7 Error Code		
ERR.3.1	Identifier	999	
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		
ERR.5.6	Name of Alternate Coding System		
ERR.8	User Message	Vaccine code not recognized - message rejected	

## 1.9. TC-9

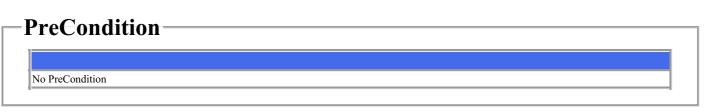
#### New administration resulting in soft error

#### **Test Story**

#### -Description

A patient is seen at a clinic. A new administration is recorded. The IIS is able to process the administration message but finds a soft error (warning) which it returns in the acknowledgement message.

# Comments No Comments



# The returned error must be visible in the EHR.

#### **Test Objectives**

This test case assesses the ability of the EHR to accept an acknowledgement message with a soft warning error being returned by the IIS.

# Evaluation Criteria No evaluation criteria

Notes to Testers					
No Note					

# 1.9.1. Send administration message

## Tests the ability to create a valid VXU^V04 message

#### **Test Story**

	on ·
Layton). A clinic st Thomas (physician covered by insurance Sheet (VIS) to revie once it is incorpora	e, Ashley Jennifer Broadbent, is brought to the West Clinic for a well child visit by her mother Ellen Broadbent (nee ff member collects basic patient demographic information including name, date of birth and sex. A clinic provider, Wilm D 654) reviews the patient's vaccination history and determines that the child requires a Hep B vaccination. The child is and does not qualify for all Vaccine For Children (VFC) supplied vaccines. The mother is given the Vaccine Information. After reading it, she agrees that the child should receive the Hep B vaccine. She also agrees that the data should be shad into the local IIS. An appropriate dose of Hep B is selected from the clinic's stock of privately funded vaccines. A in (ID 7824) prepares and administers the doses to the patient and enters the data into the EHR and transmits it to the IIS
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No PreCondition  OSTCONG	ition—
ostCond	ition—
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ostCondition	
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To PostCondition	
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ostCondition  To PostCondition	



# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625103328.757-0500	
MSH.9	Message Type	20130023103328.737-0300	
MSH.9.1		VXU	
MSH.9.2	Message Code  Trigger Event	V04	
MSH.9.2 MSH.9.3			
	Message Structure	VXU_V04	
MSH.10	Message Control ID	81883	
MSH.11	Processing ID	l n	
MSH.11.1	Processing ID	P	
MSH.12	Version ID	2.5.1	
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier	7700	
MSH.21.1	Entity Identifier	Z22	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID		
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization	TAND.	
MSH.22.1	Organization Name	wcEHR	
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	l wa	
MSH.23.1	Organization Name	IIS	
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-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	77100	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Broadbent	
PID.5.2	Given Name	Ashley	
PID.5.3	Second and Further Given Names or Initials Thereof	Jennifer	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname	Layton	
PID.6.7	Name Type Code	M	
PID.7	Date/Time of Birth	IVI	
PID.7.1	Time	20150516	
PID.8	Administrative Sex	F	
PID.10	Race	r	
PID.10.1	Identifier	2054-5	
PID.10.1	Text	African American	
PID.10.2		CDCREC	
PID.10.5	Name of Coding System  Alternate Text	CDCREC	
PID.10.5			
PID.11	Name of Alternate Coding System  Patient Address		
PID.11.1	Street Address		
PID.11.1	Street or Mailing Address	901 North 12th St	
	-	901 North 12th St	
PID.11.2	Other Designation	  D	
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5552262	
PID.22	Ethnic Group		
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	N	
PID.25	Birth Order	1	
PID.29	Patient Death Date and Time		
PID.29.1	Time		

PID.3 Location	Patient Death IndlattoElemenmt	N	Data	Categrization

# -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	<b>Publicity Code</b>		
PD1.11.1	Identifier	03	
PD1.11.2	Text	Reminder/recall - no calls	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	N	
PD1.13	<b>Protection Indicator Effective Date</b>	20150625	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20150516	
PD1.18	<b>Publicity Code Effective Date</b>	20150625	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Broadbent	
NK1.2.2	Given Name	Ellen	
NK1.2.3	Second and Further Given Names or Initials Thereof		
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	MTH	
NK1.3.2	Text	Mother	
NK1.3.3	Name of Coding System	HL70063	
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	901 North 12th St	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5552262	

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	3881	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	13926	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

I—————————————————————————————————————			
Location	Data Elemenmt	Data	Categrization
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	20150625	
RXA.5	Administered Code		
RXA.5.1	Identifier	08	
RXA.5.2	Text	Hep B, adolescent or pediatric	

RXAL5.3	Name of Coding Name o	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		İ
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	797397	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20151203	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR : Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LT	
RXR.2.2	Text	Left Thigh	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

#### OBX : Observation/Result—

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	PHC70	
OBX.5.2	Text	Private	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V01	
OBX.5.2	Text	Not VFC Eligible	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300005911120202	
OBX.5.2	Text	Hepatitis B VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150625	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

# **Test Data Specification**

#### -Patient Information-

Element	Data
Patient Name	Ashley Jennifer Broadbent
Mother's Maiden Name	Layton
ID Number	77100
Date/Time of Birth	05/16/2015
Administrative Sex	F
Patient Address 1	901 North 12th St Bozeman MT 59715 USA
Local Number	(406)555-2262
Race	African American
Ethnic Group	Not Hispanic or Latino
Birth Order	1

#### -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	05/16/2015
Publicity Code	Reminder/recall - no calls
Publicity Code Effective Date	06/25/2015
Protection Indicator	N
Protection Indicator Effective Date	06/25/2015

#### Guardian or Responsible Party-

Element	Data
Name	Ellen Broadbent
Relationship	Mother
Address	901 North 12th St Bozeman MT 59715 USA
Phone Number or Email address	(406)555-2262

#### -Vaccine Administration Information-

Element	Data		
Administered Code	Hep B, adolescent or pediatric		
Date/Time Start of Administration	06/25/2015		
Administered Amount	0.5		
Administered Units	mL		
Administration Notes	New Record		
Administering Provider	Lily Jackson		
Substance Lot Number	797397		
Substance Expiration Date	12/03/2015		
Substance Manufacturer Name	GlaxoSmithKline		
Substance/Treatment Refusal Reason			
Action Code	A		
Route	Intramuscular		
Administration Site	Left Thigh		
Entering Organization	West Clinic		
Entered By	Lily Jackson		
Ordered By	Wilma Thomas		

#### New Record

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Hepatitis B VIS
Date Vis Presented	

# 1.9.2. Consume acknowledgement message

Tests the ability to consume an ACK message containing a warning

# **Test Story**

Descripti	on-
A mapping erro	or in the IIS software results in the IIS being unable to recognize the administration site sent in ough it is valid. The acknowledgement message returned contains a warning for an invalid value
IXXIX-2 EVEII III	ough it is valid. The acknowledgement message returned contains a warning for air invalid value
~	
Commen	ts-
No Comments	
) C - 1	949 a
PreCond	ition———————————————————————————————————
Δ VXII med	ssage is generated by the EHR.
A VAO IIIes	sage is generated by the Lint.
PostCond	lition — — — — — — — — — — — — — — — — — — —
No PostCondition	
No PostCondition	
Test Obj	ectives————————————————————————————————————
No Test Objectives	
1.6 1650 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Evaluatio	on Criteria————————————————————————————————————
The error returned	in the acknowledgement message is visible in the system responsible for the content of the administration message.
1110 01101 1010111100	and would not age in the course in the cycle in the cycle in the control of the damment and an according to
T 4 4 •	
Notes to	l esters——————————————————————————————————
Notes to	l esters

# **Message Contents**

# -MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1		wcEHR	
	Namespace ID	WCERK	
MSH.6.2 MSH.6.3	Universal ID		
	Universal ID Type		
MSH.7	Date/Time Of Message	20150(25102220 750 0500	
MSH.7.1	Time	20150625103328.758-0500	
MSH.9	Message Type	1	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	23842	
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	IIS	
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	wcEHR	
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		
141()11,43,/	rachanici Type Code		

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AE	
MSA.2	Message Control ID	81883	

#### -ERR : Error-

Location Data Elemenmt		Data	Categrization
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	999	
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	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		
ERR.5.6	Name of Alternate Coding System		
ERR.8	User Message	Administration Site not recognized - site data will not be saved	

## 1.10. TC-10

#### New administration resulting in multiple soft errors

#### **Test Story**

#### **Description**

A patient is seen at a clinic. A new administration is recorded. The IIS is able to process the administration message but finds multiple soft errors (warnings) which it returns in the acknowledgement message.

# | No Comments | No Comments |





#### **Test Objectives**

This test case assesses the ability of the EHR to accept an acknowledgement message with multiple soft errors being returned by the IIS.

Evaluation Criteria	
Evaluation Criteria	
No evaluation criteria	

Notes to	Testers—			
No Note				

# 1.10.1. Send administration message

# Tests the ability to create a valid VXU^V04 message

## **Test Story**

No evaluation criteria

<b>Descript</b>	
collects basic patient reviews the patient covered by insural information Sheet be shared once it is clinic's stock of p	te, Lacy Wells, is brought to the West Clinic for a well child visit by her guardian Janelle Trudeau. A clinic staff member and temographic information including name, date of birth and sex. A clinic provider, Wilma Thomas (physician ID 654) it's vaccination history and determines that the child requires DTaP, polio, MMR and varicella vaccinations. The child is ace and does not qualify for all Vaccine For Children (VFC) supplied vaccines. The guardian is given the appropriate Vaccine (VIS) to review. After reading it, she agrees that the child should receive all the vaccines. She also agrees that the data should sincorporated into the local IIS. Appropriate doses of KINRIX (DTap-IPV) and PROQUAD (MMRV) are selected from the rivately funded vaccines. A clinician, Lily Jackson (ID 7824) prepares and administers the doses to the patient and enters the and transmits it to the IIS.
ommer	ts-
lo Comments	
reCond	ition
	ition———————————————————————————————————
No PreCondition	
No PreCondition	
No PreCondition	
ostCon	
ostCon	dition
ostCon	dition
ostCon No PostCondition	dition
PreCondition  No PreCondition  OstCon  No PostCondition  Sest Obj	dition



# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625115038.030-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	10746	
MSH.11	Processing ID	10710	
MSH.11.1	Processing ID	P	
MSH.12	Version ID		
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID	CDCTIMITYS	
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization		
MSH.22.1	Organization Name	wcEHR	
MSH.22.6	Assigning Authority	WELTIK	
MSH.22.6.1	Namespace ID		
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.6.3 MSH.22.7	Identifier Type Code		
MSH.22.10	Organization Identifier		
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	IIS	
MSH.23.6	Assigning Authority	11.5	
MSH.23.6.1			
	Namespace ID Universal ID		
MSH.23.6.2			
MSH.23.6.3	Universal ID Type		
MSH.23.7	Identifier Type Code		
MSH.23.10	Organization Identifier		

#### -PID: Patient Identification-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	22533	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
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	Wells	
PID.5.2	Given Name	SMith	
PID.5.3	Second and Further Given Names or Initials Thereof		
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	20110430	
PID.8	Administrative Sex	F	
PID.10	Race		
PID.10.1	Identifier	2106-3	
PID.10.2	Text	White	
PID.10.3	Name of Coding System	CDCREC	
PID.10.5	Alternate Text	EDEREC	
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	12 North Oak St	
		12 North Oak St	
PID.11.2 PID.11.3	Other Designation	Bozeman	
	City   State or Province		
PID.11.4 PID.11.5		MT   50715	
	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home	ppy	
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	PH	
PID.13.4	Email Address	100	
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5552914	
PID.22	Ethnic Group	2196.5	
PID.22.1	Identifier	2186-5	
PID.22.2	Text	Not Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	Multiple Birth Indicator	N	
PID.25	Birth Order	1	
PID.29	Patient Death Date and Time		
PID.29.1	Time		

PID.3 Location	Patient Death IndicattoElemenmt	N	Data	Categrization

# -PD1 : Patient Additional Demographic-

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	01	
PD1.11.2	Text	No reminder/recall	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	<b>Protection Indicator</b>	Y	
PD1.13	<b>Protection Indicator Effective Date</b>	20150625	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20110430	
PD1.18	Publicity Code Effective Date	20150625	

#### NK1: Next of Kin / Associated Parties-

Location	Data Elemenmt	Data	Categrization
NK1.1	Set ID - NK1	1	
NK1.2	Name		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Trudeau	
NK1.2.2	Given Name	Janelle	
NK1.2.3	Second and Further Given Names or Initials Thereof		
NK1.2.7	Name Type Code	L	
NK1.3	Relationship		
NK1.3.1	Identifier	GRD	
NK1.3.2	Text	Guardian	
NK1.3.3	Name of Coding System	HL70063	
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	12 North Oak St	
NK1.4.2	Other Designation		
NK1.4.3	City	Bozeman	
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
NK1.5	Phone Number		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5552914	

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	657	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	68544	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

1			
Location	Data Elemenmt	Data	Categrization
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	20150625	
RXA.5	Administered Code		
RXA.5.1	Identifier	94	
RXA.5.2	Text	MMRV	

RXAL5 dation RXA.5.5	Name of Coding David Elemenmt Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	407453	
RXA.16	<b>Substance Expiration Date</b>		
RXA.16.1	Time	20151015	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	MSD	
RXA.17.2	Text	Merck and Co., Inc.	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	RD	
RXR.2.2	Text	Right Deltoid	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

#### **OBX**: Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	PHC70	
OBX.5.2	Text	Private	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	СЕ	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V01	
OBX.5.2	Text	Not VFC Eligible	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300013411100521	
OBX.5.2	Text	Measles/Mumps/Rubella/Varicella VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150625	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	7553	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	8671	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
ORC.12	Ordering Provider		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
ORC.12.4	Second and Further Given Names or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code	MD	
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20150625	
RXA.5	Administered Code		
RXA.5.1	Identifier	130	
RXA.5.2	Text	DTaP-IPV	

RXAL5.3	Name of Coding Medicalemenmt  Alternate Text	CVX Data	Categrization
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
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 Record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number	7824	
RXA.10.2	Family Name		
RXA.10.2.1	Surname	Jackson	
RXA.10.3	Given Name	Lily	
RXA.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code	L	
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code	PRN	
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	wcEHR	
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	Substance Lot Number	88402	
RXA.16	Substance Expiration Date		
RXA.16.1	Time	20150730	
RXA.17	Substance Manufacturer Name		
RXA.17.1	Identifier	SKB	
RXA.17.2	Text	GlaxoSmithKline	
RXA.17.3	Name of Coding System	MVX	
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.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Data	Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	Intramuscular	
RXR.1.3	Name of Coding System	NCIT	
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	Administration Site		
RXR.2.1	Identifier	LD	
RXR.2.2	Text	Left Deltoid	
RXR.2.3	Name of Coding System	HL70163	
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
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	PHC70	
OBX.5.2	Text	Private	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	64994-7	
OBX.3.2	Text	Vaccine Funding Program Eligibility	
OBX.3.3	Name of Coding System	LN	
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	V01	
OBX.5.2	Text	Not VFC Eligible	
OBX.5.3	Name of Coding System	HL70064	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier	VXC40	
OBX.17.2	Text	per immunization	
OBX.17.3	Name of Coding System	CDCPHINVS	
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300017211111108	
OBX.5.2	Text	Polio VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value	20150625	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	5	
OBX.2	Value Type	CE	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
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	253088698300003511070517	
OBX.5.2	Text	Diphtheria/Tetanus/Pertussis (DTaP) VIS	
OBX.5.3	Name of Coding System	CDCPHINVS	
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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	<b>Observation Result Status</b>	F	
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	6	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	29769-7	
OBX.3.2	Text	Date Vis Presented	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value	20150625	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150625	
OBX.17	Observation Method		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

# **Test Data Specification**

### -Patient Information-

Element	Data
Patient Name	SMith Wells
Mother's Maiden Name	
ID Number	22533
Date/Time of Birth	04/30/2011
Administrative Sex	F
Patient Address 1	12 North Oak St Bozeman MT 59715 USA
Local Number	(406)555-2914
Race	White
Ethnic Group	Not Hispanic or Latino
Birth Order	1

### -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	04/30/2011
Publicity Code	No reminder/recall
Publicity Code Effective Date	06/25/2015
Protection Indicator	Y
Protection Indicator Effective Date	06/25/2015

### Guardian or Responsible Party-

Element	Data
Name	Janelle Trudeau
Relationship	Guardian
Address	12 North Oak St Bozeman MT 59715 USA
Phone Number or Email address	(406)555-2914

### -Vaccine Administration Information-

Element	Data
Administered Code	MMRV
Date/Time Start of Administration	06/25/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	407453
Substance Expiration Date	10/15/2015
Substance Manufacturer Name	Merck and Co., Inc.
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Right Deltoid
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

### New Record

Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Measles/Mumps/Rubella/Varicella VIS
Date Vis Presented	

### -Vaccine Administration Information-

Element	Data
Administered Code	DTaP-IPV
Date/Time Start of Administration	06/25/2015
Administered Amount	0.5
Administered Units	mL
Administration Notes	New Record
Administering Provider	Lily Jackson
Substance Lot Number	88402
Substance Expiration Date	07/30/2015
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Action Code	A
Route	Intramuscular
Administration Site	Left Deltoid
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	Wilma Thomas

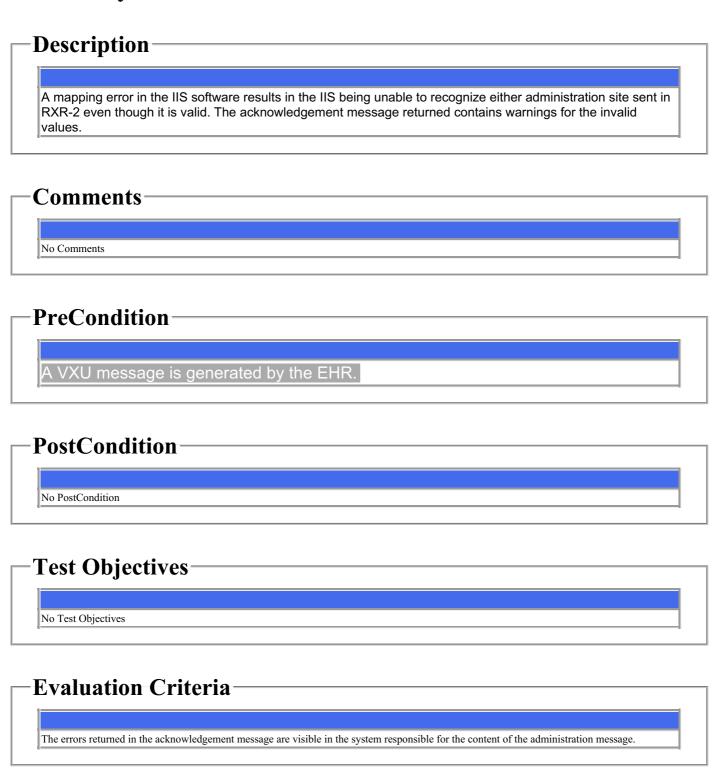
### -New Record-

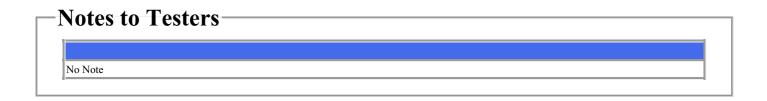
Element	Data
Vaccine Funding Source	Private
Vaccine Funding Program Eligibility	Not VFC Eligible
Document Type	Polio VIS
Date Vis Presented	
Document Type	Diphtheria/Tetanus/Pertussis (DTaP) VIS
Date Vis Presented	

# 1.10.2. Consume acknowledgement message

Tests the ability to consume an ACK message containing multiple warnings

### **Test Story**





# **Message Contents**

### -MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility	EMB	
MSH.6.1	Namespace ID	wcEHR	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625115038.044-0500	
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	29540	
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	IIS	
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	wcEHR	
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		
	racinities Type Code		

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AE	
MSA.2	Message Control ID	10746	

### -ERR : Error-

Location	Data Elemenmt	Data	Categrization
ERR.2	Error Location		
ERR.2.1	Segment ID	RXR	
ERR.2.2	Segment Sequence	1	
ERR.2.3	Field Position	2	
ERR.2.4	Field Repetition	1	
ERR.2.5	Component Number	1	
ERR.2.6	Sub-Component Number		
ERR.3	HL7 Error Code		
ERR.3.1	Identifier	999	
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	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		
ERR.5.6	Name of Alternate Coding System		
ERR.8	User Message	Administration Site not recognized - site data will not be saved	

### -ERR : Error-

Location	Data Elemenmt	Data	Categrization
ERR.2	Error Location		
ERR.2.1	Segment ID	RXR	
ERR.2.2	Segment Sequence	2	
ERR.2.3	Field Position	2	
ERR.2.4	Field Repetition	1	
ERR.2.5	Component Number	1	
ERR.2.6	Sub-Component Number		
ERR.3	HL7 Error Code		
ERR.3.1	Identifier	999	
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	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		
ERR.5.6	Name of Alternate Coding System		
ERR.8	User Message	Administration Site not recognized - site data will not be saved	

### 1.11. TC-11

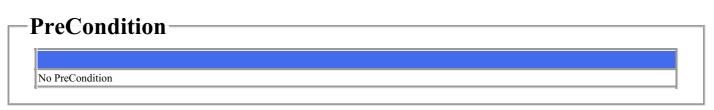
#### Historical administration resulting in system error

### **Test Story**

### -Description

A patient is seen at a clinic. A historical vaccination is recorded but the IIS is unable to process the administration message, rejects it and returns a fatal error in the? acknowledgement?message.

# Comments No Comments



# PostCondition The returned error must be visible in the EHR.

#### **Test Objectives**

This test case assesses the ability of the EHR to accept an acknowledgement message with a fatal system error being returned by the IIS.

# Evaluation Criteria No evaluation criteria

Notes to Testers				
No Note				
_				-

# 1.11.1. Send administration message

### Tests the ability to create a valid VXU^V04 message

### **Test Story**

•	,
Descripti	ion————————————————————————————————————
1	
information includ October 21, 2014.	e, Manuel Diego Vasquez, comes to the West Clinic for a physical. A clinic staff member collects basic patient demographic ing name, date of birth and sex. The patient reports that he received a pneumococcal vaccination at a local pharmacy on The clinic staff determine that no further vaccinations are required. A clinician, Lily Jackson (ID 7824) enters the historical and transmits it to the IIS.
Commen	its————————————————————————————————————
No Comments	
PreCond	ition
recond	TUUII
No PreCondition	
PostCond	dition———————————————————————————————————
No PostCondition	
Fast Ob:	
Fest Obj	ectives
No Test Objectives	
The rest defectives	
Evaluation	on Criteria
No evaluation crite	erna
Notes to	Testers
Notes to	Testers

# **Message Contents**

# MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	<b>Encoding Characters</b>	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	wcEHR	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	IIS	
MSH.6.2	Universal ID	115	
MSH.6.2 MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
	Time Time Of Message	20150(2507281( (01.0500	
MSH.7.1		20150625072816.601-0500	
MSH.9	Message Type	NAME OF THE PERSON OF THE PERS	
MSH.9.1	Message Code	VXU	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	VXU_V04	
MSH.10	Message Control ID	41821	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z22	
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	wcEHR	
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	IIS	
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		

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Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	Cutegrization
PID.3	Patient Identifier List		
PID.3.1	ID Number	21142	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
PID.3.4.2	Universal ID	Website	
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	Vasquez	
PID.5.2	Given Name	Manuel	
PID.5.3	Second and Further Given Names or Initials Thereof	Diego	
PID.5.7	Name Type Code	L	
PID.6	Mother's Maiden Name		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	Time	19470215	
PID.8	Administrative Sex	M	
PID.10	Race		
PID.10.1	Identifier	2106-3	
PID.10.2	Text	White	
PID.10.3	Name of Coding System	CDCREC	
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	227 Park Ave	
PID.11.2	Other Designation		
PID.11.3	City	Bozeman	
PID.11.4	State or Province	MT	
PID.11.5	Zip or Postal Code	59715	
PID.11.6	Country	USA	
PID.11.7	Address Type	P	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	PRN	
PID.13.3	Telecommunication Equipment Type	РН	
PID.13.4	Email Address		
PID.13.6	Area/City Code	406	
PID.13.7	Local Number	5555815	
PID.13	Phone Number - Home		
PID.13.2	Telecommunication Use Code	NET	
PID.13.3	Telecommunication Egyptement Type		
PID.13.4	Email Address	Manuel.Vasquez@isp.com	
PID.13.6	Area/City Code		
PID.13.7	Local Number		
PID.22	Ethnic Group		
PID.22.1	Identifier	2135-2	
PID.22.2	Text	Hispanic or Latino	
PID.22.3	Name of Coding System	CDCREC	
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System	N	
PID.24	Multiple Birth Indicator	N	

PID.2Location	Birth Order Data Elemenmt	1	Data	Categrization
PID.29	Patient Death Date and Time			
PID.29.1	Time			
PID.30	Patient Death Indicator	N		

# -PD1 : Patient Additional Demographic

Location	Data Elemenmt	Data	Categrization
PD1.11	Publicity Code		
PD1.11.1	Identifier	01	
PD1.11.2	Text	No reminder/recall	
PD1.11.3	Name of Coding System	HL70215	
PD1.11.5	Alternate Text		
PD1.11.6	Name of Alternate Coding System		
PD1.12	Protection Indicator	N	
PD1.13	Protection Indicator Effective Date	20150625	
PD1.16	Immunization Registry Status	A	
PD1.17	Immunization Registry Status Effective Date	20150625	
PD1.18	<b>Publicity Code Effective Date</b>	20150625	

### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	4486	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	31165	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	Entered By		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials		
ORC.10.9	Assigning Authority	İ	
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
ORC.10.13	Identifier Type Code	PRN	
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.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code		
ORC.12.12	Check Digit Scheme		
ORC.12.13	Identifier Type Code		
ORC.17	Entering Organization		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

# -RXA: Pharmacy/Treatment Administration-

			1
Location	Data Elemenmt	Data	Categrization
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	20141021	
RXA.5	Administered Code		
RXA.5.1	Identifier	152	
RXA.5.2	Text	Pneumococcal Conjugate, unspecified formulation	

RXAL5 Cation RXA.5.5	Name of Coding Data Elemenmt Alternate Text	CVX Data	Categrizatio
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	Historical Administration	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.11.4.2	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.17.1	Text		
RXA.17.2	Name of Coding System		
RXA.17.5	Alternate Text		
RXA.17.5	Name of Alternate Coding System		
RXA.17.0	Substance/Treatment Refusal Reason		
	Identifier		
RXA.18.1 RXA.18.2	Text		
RXA.18.2	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System	CP	
RXA.20	Completion Status	СР	
RXA.21	Action Code - RXA	A	

# **Test Data Specification**

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	au	UIII			IAUUII

Element	Data
Patient Name	Manuel Diego Vasquez
Mother's Maiden Name	
ID Number	21142
Date/Time of Birth	02/15/1947
Administrative Sex	M
Patient Address 1	227 Park Ave Bozeman MT 59715 USA
Local Number	(406)555-5815
Race	White
Ethnic Group	Hispanic or Latino
Birth Order	1

# -Immunization Registry Information-

Element	Data
Immunization Registry Status	A
Immunization Registry Status Effective Date	06/25/2015
Publicity Code	No reminder/recall
Publicity Code Effective Date	06/25/2015
Protection Indicator	N
Protection Indicator Effective Date	06/25/2015

### -Vaccine Administration Information-

Element	Data
Administered Code	Pneumococcal Conjugate, unspecified formulation
Date/Time Start of Administration	10/21/2014
Administered Amount	999
Administered Units	
Administration Notes	Historical Administration
Administering Provider	
Substance Lot Number	
Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Action Code	A
Route	
Administration Site	
Entering Organization	West Clinic
Entered By	Lily Jackson
Ordered By	

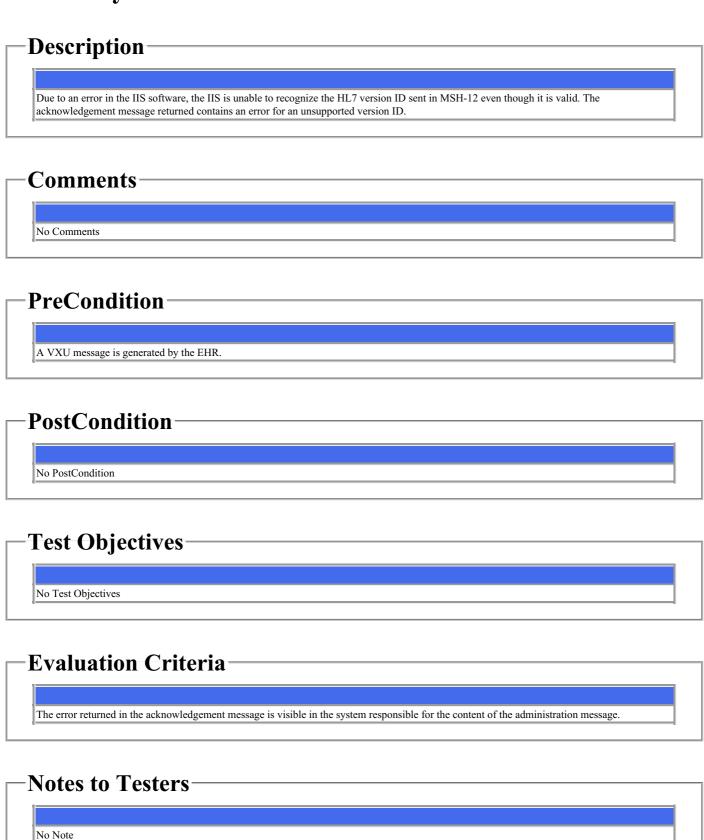
### -Historical Administration-

Element Data
--------------

# 1.11.2. Consume acknowledgement message

Tests the ability to consume an ACK message containing a system error

### **Test Story**



# **Message Contents**

### -MSH : Message Header-

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID		
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	IIS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID		
MSH.5.2	Universal ID		
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	wcEHR	
MSH.6.2	Universal ID	WOLLING	
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150625072216 602 0500	
		20150625072816.602-0500	
MSH.9	Message Type	A CW	
MSH.9.1	Message Code	ACK	
MSH.9.2	Trigger Event	V04	
MSH.9.3	Message Structure	ACK	
MSH.10	Message Control ID	48026	
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	IIS	
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	wcEHR	
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		

Location Data Flamenmt

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AR	
MSA.2	Message Control ID	41821	

### -ERR : Error-

Location	Data Elemenmt	Data	Categrization
ERR.2	Error Location		
ERR.2.1	Segment ID	MSH	
ERR.2.2	Segment Sequence	12	
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	203	
ERR.3.2	Text	Unsupported Version ID	
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		
ERR.5.2	Text		
ERR.5.3	Name of Coding System		
ERR.5.5	Alternate Text		
ERR.5.6	Name of Alternate Coding System		
ERR.8	User Message	Version ID not recognized - message rejected	

# 2. Evaluated History and Forecast Group

This set of tests evaluates the EHR's ability to create well-formed queries and gracefully accept the response messages. It evaluates that the clinician is shown the results of the query.

# 2.1. Q R TC-1

# QBP for young adult with immunization history

# **Test Story**

Deganintien	
<b>Description</b>	
A young adult is seen by a clinician. The clinician us history and forecast for that person.	ses the EHR to request and evaluated history and forecast. The IIS returns an evaluated
Comments———	
No Comments	
PreCondition———	
The person has a record in the IIS.	
PostCondition  No PostCondition	
Γest Objectives———	
Evaluates EHR ability to create a well formed query forecast for that person.	for a young adult. Evaluates EHR ability to accept a response with evaluated history and
Evaluation Criteria—	
No evaluation criteria	
Notes to Testers———	
W. W.	
No Note	

# **2.1.1. send query**

Query requests an evaluated history and forecast for a young adult

# **Test Story**

—Description————————————————————————————————————	
= 0001-p 010	
No Description	-
No Description	_
Comments	
No Comments	
-PreCondition-	
1	_
No Des Constituin	4
No PreCondition	_
- PostCondition	
No PostCondition	
Test Objectives	
1	_
No Test Objectives	
No Test Objectives	_
—Evaluation Criteria————————————————————————————————————	
No evaluation criteria	
Notes to Testers	
\[ \frac{1}{2} \]	
Na Nota	
No Note	_

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyEHR	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	DCS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MyIIS	
MSH.5.2	Universal ID	Myns	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility	la . py	
MSH.6.1	Namespace ID	StatePH	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150531145156-0500	
MSH.9	Message Type		
MSH.9.1	Message Code	QBP	
MSH.9.2	Trigger Event	Q11	
MSH.9.3	Message Structure	QBP_Q11	
MSH.10	Message Control ID	443533469	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z44	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID	Des	
MSH.22.6.3	Universal ID Type		
		VV	
MSH.22.7	Identifier Type Code	XX (420422)	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization	Co e DII	
MSH.23.1	Organization Name	StatePH	
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		

### QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrization
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	
QPD.3	PatientList		
QPD.3.1	ID Number	12993456	
QPD.3.3	Check Digit Scheme		
QPD.3.4	Assigning Authority		
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type		
QPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName		
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Stanley	
QPD.4.2	Given Name	Sally	
QPD.4.3	Second and Further Given Names or Initials Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	PatientMotherMaidenName		
QPD.5.1	Family Name		
QPD.5.1.1	Surname		
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19800214	
QPD.7	Patient Sex	M	
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Pretty Valley	
QPD.8.4	State or Province	MI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	Phone		
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.3	Telecommunication Equipment Type	РН	
QPD.9.4	Email Address		
QPD.9.6	Area/City Code	734	
QPD.9.7	Local Number	5556712	
QPD.10	Multiple birth indicator		
QPD.11	Birth order		

### -RCP: Response Control Parameter-

Location	Data Elemenmt	Data	Categrization
RCP.1	Query Priority	I	

# **Test Data Specification**

#### Patient Information

Element	Data
Patient Name	Sally S Stanley
Date/Time of Birth	02/14/1980
Sex	M
Patient Address	10 East Main St Pretty Valley MI
Patient Phone	(734)555-6712

# 2.1.2. Send response

### **No Description**

## **Test Story**

<b>Description</b>	
No Description	
Comments————	
No Comments	
No Comments	
PreCondition———	
recondition	
No PreCondition	
PostCondition————	
No PostCondition	
101000000000000000000000000000000000000	
<b>Fest Objectives</b> ———	
No Test Objectives	
Evaluation Criteria——	
N	
No evaluation criteria	
Notes to Testers———	
TAULES IU TESIETS	
No Note	

# **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyIIS	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	StatePH	
MSH.4.2	Universal ID	Suiter II	
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MyEHR	
MSH.5.2	Universal ID	NIVELIK	
MSH.5.3	Universal ID Type		
MSH.6			
	Receiving Facility	DCS	
MSH.6.1	Namespace ID	DCS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150531145233-0500	
MSH.9	Message Type	la can	
MSH.9.1	Message Code	RSP	
MSH.9.2	Trigger Event	K11	
MSH.9.3	Message Structure	RSP_K11	
MSH.10	Message Control ID	4483533469	
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	StatePH	
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	DCS	
MSH.23.6	Assigning Authority		
MSH.23.6.1	Namespace ID	DCS	
MSH.23.6.2	Universal ID		
MSH.23.6.3	Universal ID Type		
MSH.23.7	Identifier Type Code	XX	
171011,43.7	Organization Identifier	6439432	

### MSA: Message Acknowledgment

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	Test Case Fixed
MSA.2	Message Control ID	793543	System Generated

### QAK: Query Acknowledgment—

Location	Data Elemenmt	Data	Categrization
QAK.1	Query Tag	37374859	System Generated
QAK.2	Query Response Status	ОК	Test Case Fixed
QAK.3	Message Query Name		
QAK.3.1	Identifier	Z44	
QAK.3.2	Text	request evaluated Immunization history	
QAK.3.3	Name of Coding System	CDCPHINVS	
QAK.3.5	Alternate Text		
QAK.3.6	Name of Alternate Coding System		

### QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrization
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	
QPD.3	PatientList		
QPD.3.1	ID Number	12993456	
QPD.3.3	Check Digit Scheme		
QPD.3.4	Assigning Authority		
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type		
QPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName	IVIIC	
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Stanley	
QPD.4.1.1	Given Name	Sally	
-	Second and Further Given Names or Initials		
QPD.4.3	Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	PatientMotherMaidenName		
QPD.5.1	Family Name		
QPD.5.1.1	Surname		
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19800214	
QPD.7	Patient Sex	F	
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Pretty Valley	
QPD.8.4	State or Province	MI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	Phone		
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.3	Telecommunication Equipment Type	РН	
QPD.9.4	Email Address		
QPD.9.6	Area/City Code	734	
QPD.9.7	Local Number	5556712	
QPD.10	Multiple birth indicator		
QPD.11	Birth order		

#### PID: Patient Identification-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	12993456	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority	Ï	
PID.3.4.1	Namespace ID	MYEHR	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	MR	
PID.3	Patient Identifier List		
PID.3.1	ID Number	34500907	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority	Ï	
PID.3.4.1	Namespace ID	MyIIS	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	SR	
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Stanley	
PID.5.2	Given Name	Sally	
PID.5.3	Second and Further Given Names or Initials Thereof	S	
PID.5.7	Name Type Code	L	
PID.7	Date/Time of Birth		
PID.7.1	Time	19800214	
PID.8	Administrative Sex	F	
PID.11	Patient Address		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address		
PID.11.2	Other Designation		
PID.11.3	City		
PID.11.4	State or Province		
PID.11.5	Zip or Postal Code		
PID.11.6	Country		
PID.11.7	Address Type		
PID.30	Patient Death Indicator	N	

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

Location	Data Elemenmt	Data	Categrization
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	20090415	
RXA.5	Administered Code		
RXA.5.1	Identifier	45	
RXA.5.2	Text	Hep B NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	1111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Identifier		
RXA.18.1 RXA.18.2			
	Text		
RXA.18.3	Name of Coding System		
RXA.18.5 RXA.18.6	Alternate Text  Name of Alternate Coding System		
	I Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	1	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data C:	ategrization
OBX.1	Set ID - OBX	3	
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.3.5	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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control     RE       Placer Order Number     Universal ID       Universal ID Type     Filler Order Number       Universal ID     Universal ID

Location	Data Elemenmt	Data	Categrization
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	20090515	
RXA.5	Administered Code		
RXA.5.1	Identifier	45	
RXA.5.2	Text	Hep B NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.1	Text		
RXA.18.2	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.5	Name of Alternate Coding System		
IVAA.10.0	rame of Atternate County System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	5	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
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.3.5	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.6.5	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	20150531	

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

Location	Data Elemenmt	Data	Categrization
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	20091215	
RXA.5	Administered Code		
RXA.5.1	Identifier	45	
RXA.5.2	Text	Hep B NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Identifier		
RXA.18.1 RXA.18.2			
	Text		
RXA.18.3	Name of Coding System		
RXA.18.5 RXA.18.6	Alternate Text  Name of Alternate Coding System		
	I Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### OBX : Observation/Result———

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	5	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
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.3.5	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.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19800415	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18	Identifier Retusal Reason		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System	l an	
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	7	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

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Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data Categrization
OBX.1	Set ID - OBX	9
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.3.5	Alternate Text	
OBX.3.6	Name of Alternate Coding System	
OBX.4	Observation Sub-ID	4
OBX.5	Observation Value	Y
OBX.6	Units	
OBX.6.1	Identifier	
OBX.6.2	Text	
OBX.6.3	Name of Coding System	
OBX.6.5	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	20150531

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control     RE       Placer Order Number     Universal ID       Universal ID Type     Filler Order Number       Universal ID     Universal ID

Location	Data Elemenmt	Data	Categrization
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	19800615	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	INI 001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System	The state of the s	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	7	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data Categr	rization
OBX.1	Set ID - OBX	9	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

Location	Data Elemenmt	Data	Categrization
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	19800815	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	INI OUT	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	9	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19811115	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.5	Name of Alternate Coding System		
		СР	
RXA.20	Completion Status	Cr	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

#### **OBX**: Observation/Result—

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	9	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19860415	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
	Name of Alternate Coding System		
RXA.18.6			

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data (	Categrization
OBX.1	Set ID - OBX	9	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19800415	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	INII 001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	10	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### OBX : Observation/Result

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	11	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data Categr	rization
OBX.1	Set ID - OBX	12	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19800615	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	1111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text  Name of Alternate Coding System		
RXA.18.6			

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	14	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	15	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control     RE       Placer Order Number     Universal ID       Universal ID Type     Filler Order Number       Universal ID     Universal ID

Location	Data Elemenmt	Data	Categrization
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	19800910	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.10.0	Completion Status	СР	
	I completion Status	I D	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	16	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	18	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19860415	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	INI OUT	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	19	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	20	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	21	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control  Placer Order Number  Universal ID  Universal ID Type  Filler Order Number  Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20100415	
RXA.5	Administered Code		
RXA.5.1	Identifier	100	
RXA.5.2	Text	PCV7	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.1	Text		
RXA.18.3	Name of Coding System  Alternate Text		
RXA.18.5			
RXA.18.6	Name of Alternate Coding System  Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	22	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	23	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	24	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20100415	
RXA.5	Administered Code		
RXA.5.1	Identifier	139	
RXA.5.2	Text	Td NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Substance/ Freatment Refusal Reason		
RXA.18.1			
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	24	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### OBX : Observation/Result———

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	25	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	26	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20091015	
RXA.5	Administered Code		
RXA.5.1	Identifier	88	
RXA.5.2	Text	influenza NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	NH 001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	
11/1/1/1/1/1	Completion Status		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	27	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data Categriza	tion
OBX.1	Set ID - OBX	29	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control     RE       Placer Order Number     Universal ID       Universal ID Type     Filler Order Number       Universal ID     Universal ID

Location	Data Elemenmt	Data	Categrization
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	20101015	
RXA.5	Administered Code		
RXA.5.1	Identifier	141	
RXA.5.2	Text	influenza seasonal	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	INII 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.1	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.5	Name of Alternate Coding System		
D A A LA D	I MAINE OF ARCHING COURS SYSTEM		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	30	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	16	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	31	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	16	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	32	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	16	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20110901	
RXA.5	Administered Code		
RXA.5.1	Identifier	140	
RXA.5.2	Text	seasonal flu	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	NIFOUI	
RXA.9.6	Name of Alternate Coding System		
RXA.10 RXA.10.1	Administering Provider		
RXA.10.1	ID Number		
	Family Name Surname		
RXA.10.2.1	Given Name		
KAA.10.3			
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data Ca	ategrization
OBX.1	Set ID - OBX	33	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	17	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	34	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	17	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	35	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	17	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20150531	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20150531	
RXA.5	Administered Code		
RXA.5.1	Identifier	998	
RXA.5.2	Text	no vaccine admin	
RXA.5.3	Name of Coding System	CVX	
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.7.5	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.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Identifier		
RXA.18.1			
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	NA	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	36	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	18	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	37	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	18	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	38	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30980-7	
OBX.3.2	Text	Date vaccination due	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	18	
OBX.5	Observation Value	20150531	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	39	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30981-5	
OBX.3.2	Text	Earliest Date	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	18	
OBX.5	Observation Value	20150531	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	19	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	19	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	42	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30980-7	
OBX.3.2	Text	Date vaccination due	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	19	
OBX.5	Observation Value	20150531	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

#### OBX : Observation/Result

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	43	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30981-5	
OBX.3.2	Text	Earliest Date	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	19	
OBX.5	Observation Value	20150531	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20150531	

### **Juror Document**

Evaluated Immunization History and Immunization Forecast (RSP Z42)					
Test Case ID					
Inspection Date/Time					
Ingression Settlement	Pass	Fail			
Inspection Settlement					
Juror ID					
Juror Name					

#### **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 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	n			
Patient Identifier	Patient Name	DOB	Gender	<b>Tester Comment</b>
12993456	Sally S Stanley	02/14/1980	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			

<b>Evaluated Imm</b>	Evaluated Immunization History							
Vaccine Group	Vaccine Administered	Date Administered	Valid Dose	Validity Reason	Completion Status*	<b>Tester Comment</b>		
Hep B NOS	Hep B NOS	04/15/2009	YES		Complete			
Hep B NOS	Hep B NOS	05/15/2009	YES		Complete			
Hep B NOS	Hep B NOS	12/15/2009	YES		Complete			
DTAP NOS	DTP	04/15/1980	YES		Complete			
DTAP NOS	DTP	06/15/1980	YES		Complete			
DTAP NOS	DTP	08/15/1980	YES		Complete			
DTAP NOS	DTP	11/15/1981	YES		Complete			
DTAP NOS	DTP	04/15/1986	YES		Complete			
polio NOS	polio NOS	04/15/1980	YES		Complete			
polio NOS	polio NOS	06/15/1980	YES		Complete			
polio NOS	polio NOS	09/10/1980	YES		Complete			
polio NOS	polio NOS	04/15/1986	YES		Complete			
pnuemococcal conjugate	PCV7	04/15/2010	YES		Complete			
Td NOS	Td NOS	04/15/2010	YES		Complete			
influenza NOS	influenza NOS	10/15/2009	YES		Complete			
influenza NOS	influenza seasonal	10/15/2010	YES		Complete			
influenza NOS	seasonal flu	09/01/2011	YES		Complete			

<sup>\* &</sup>quot;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	<b>Due Date</b>	Earliest Date To Give	Latest Date to Give	Series Status	Forecast Reason	<b>Tester Comment</b>
influenza NOS	05/31/2015	05/31/2015				
MMR	05/31/2015	05/31/2015				



# 2.2. Q R TC-2

### Adult with immunizations, including smallpox

### **Test Story**

Description  This test requests an evaluated history and forecast for an adult with a small pox vaccination.  Comments  No Comments  PreCondition  No PreCondition  PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No test to Testers  No Note	Dosavintia	2
PreCondition No PreCondition No PreCondition No PostCondition No PostCondition Test Objectives The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria No evaluation criteria No test to Testers	Description	
PreCondition No PreCondition No PreCondition No PostCondition No PostCondition Test Objectives The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria No evaluation criteria No test to Testers		
PreCondition  No PreCondition  PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	This test requests an ev	aluated history and forecast for an adult with a small pox vaccination.
PreCondition  No PreCondition  PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	•	
PreCondition  No PreCondition  PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
PreCondition  No PreCondition  PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	<b>C</b> 4	
PreCondition  No PreCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	Comments	
PreCondition  No PreCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
PreCondition  No PreCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	No Comments	
PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
PostCondition  No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
PostCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	PreConditi	on
PostCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria	1	
PostCondition  No PostCondition  Test Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria		
No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria  Notes to Testers	No PreCondition	
No PostCondition  Fest Objectives  The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria  Notes to Testers		
The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria  Notes to Testers	1 oscondition	
The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria  Notes to Testers		
The objective is to evaluate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.  Evaluation Criteria  No evaluation criteria  Notes to Testers	Test Obiec	tives
Evaluation Criteria  No evaluation criteria  Notes to Testers	1	
Evaluation Criteria  No evaluation criteria  Notes to Testers		
No evaluation criteria  Notes to Testers	The objective is to eval	uate the ability of the EHR to gracefully handle an immunization with no validation and not forecast.
No evaluation criteria  Notes to Testers		
No evaluation criteria  Notes to Testers		
No evaluation criteria  Notes to Testers	Evaluation	Criteria — — — — — — — — — — — — — — — — — — —
Notes to Testers		
Notes to Testers		
	No evaluation criteria	
	Notes to Ta	ostors
No Note	notes to 16	esters
No Note		
	No Note	
	1	

# **2.2.1. Send query**

### **No Description**

### **Test Story**

<b>Description</b>	
No Description	
Comments	
No Comments	
PreCondition————	
rieCondition	
No PreCondition	
-	
D 40 114	
PostCondition—————	
No PostCondition	
INO POSICONUIUON	
No PostCondition	
No restcondition	
-	
-	
Test Objectives	
-	
Test Objectives	
Test Objectives  No Test Objectives	
Test Objectives  No Test Objectives	
Test Objectives  No Test Objectives	
Test Objectives  No Test Objectives  Evaluation Criteria	
Test Objectives  No Test Objectives	
Test Objectives  No Test Objectives  Evaluation Criteria	
Test Objectives  No Test Objectives  Evaluation Criteria	
Test Objectives  No Test Objectives  Evaluation Criteria  No evaluation criteria	
Test Objectives  No Test Objectives  Evaluation Criteria  No evaluation criteria	
Test Objectives  No Test Objectives  Evaluation Criteria  No evaluation criteria  Notes to Testers	
Test Objectives  No Test Objectives  Evaluation Criteria	

## **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyIIS	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	StatePH	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MYEHR	
MSH.5.2	Universal ID	IN LEME	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1		DCS	
	Namespace ID Universal ID	DCS	
MSH.6.2 MSH.6.3	-		
	Universal ID Type		
MSH.7	Date/Time Of Message	20141021145222 0500	
MSH.7.1	Time	20141031145233-0500	
MSH.9	Message Type	lopp	
MSH.9.1	Message Code	QBP	
MSH.9.2	Trigger Event	Q11	
MSH.9.3	Message Structure	QBP_Q11	
MSH.10	Message Control ID	443533469	
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	ER	
MSH.16	Application Acknowledgment Type	AL	
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	Z44	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code	XX	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	StatePH	
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		
·- ··	Organization Identifier		

### **QPD: Query Parameter Definition**

Location	Data Elemenmt	Data	Categrization
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	
QPD.3	PatientList	37371039	
QPD.3.1	ID Number	123456	
QPD.3.3	Check Digit Scheme	123430	
QPD.3.4	Assigning Authority		
		MYEHD	
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type	1.00	
QPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName		
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Stanley	
QPD.4.2	Given Name	Clement	
QPD.4.3	Second and Further Given Names or Initials Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	<b>PatientMotherMaidenName</b>		
QPD.5.1	Family Name		
QPD.5.1.1	Surname	Smith	
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19500214	
QPD.7	Patient Sex	M	
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Titletown	
QPD.8.4	State or Province	WI	
QPD.8.5	Zip or Postal Code	111	
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	Phone	L	
		DDM	
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.3	Telecommunication Equipment Type	PH	
QPD.9.4	Email Address	100	
QPD.9.6	Area/City Code	690	
QPD.9.7	Local Number	1231234	
QPD.10	Multiple birth indicator		
QPD.11	Birth order		

### -RCP: Response Control Parameter-

Location	Data Elemenmt	Data	Categrization
RCP.1	Query Priority	I	

# **Test Data Specification**

## -Patient Information-

Element	Data
Patient Name	Clement S Stanley
Date/Time of Birth	02/14/1950
Sex	M
Patient Address	10 East Main St Titletown WI
Patient Phone	(690)123-1234

# 2.2.2. return response

return response to query for an adult with historical smallpox vaccination

## **Test Story**

No Note

escriptio	
Query is returned for ralidated and so has	Clement S Stanley. Clement has a number of historical dose records, including one for small pox. This vaccine is not no dose validity. All other doses are valid. Mr. Stanley is due for a pneumococcal vaccine and an influenza vaccine.
Comment	s
No Comments	
vo Comments	
reCondi	tion————
recondi	
No PreCondition	
No PostCondition	
est Obje	ctives———
Deomonstrate capab o display a vaccinat	lity to receive a response file with a number of doses adminsitered, both current and historical. Also demonstrate capability on that is not validated.
valuatio	n Criteria
	a
No evaluation criteri	

# **Message Contents**

## -MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyIIS	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	StatePH	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MYEHR	
MSH.5.2	Universal ID	WITEHR	
MSH.5.3			
	Universal ID Type		
MSH.6	Receiving Facility	DOG	
MSH.6.1	Namespace ID	DCS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20141031145233-0500	
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	443533469	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code	XX	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	StatePH	
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.23.0.3 MSH.23.7	Identifier Type Code		
	ruchther rype Code		

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	793543	

# QAK: Query Acknowledgment-

Location	Data Elemenmt	Data	Categrization
QAK.1	Query Tag	37374859	
QAK.2	Query Response Status	OK	
QAK.3	Message Query Name		
QAK.3.1	Identifier	Z44	
QAK.3.2	Text	request evaluated Immunization history	
QAK.3.3	Name of Coding System	CDCPHINVS	
QAK.3.5	Alternate Text		
QAK.3.6	Name of Alternate Coding System		

# QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrization
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	
QPD.3	PatientList		
QPD.3.1	ID Number	123456	
QPD.3.3	Check Digit Scheme		
QPD.3.4	Assigning Authority		
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type		
QPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName	, mi	
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Stanley	
QPD.4.1.1	Given Name	Clement	
-	Second and Further Given Names or Initials		
QPD.4.3	Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	<b>PatientMotherMaidenName</b>		
QPD.5.1	Family Name		
QPD.5.1.1	Surname	Smith	
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19500214	
QPD.7	Patient Sex	M	
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Titletown	
QPD.8.4	State or Province	WI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	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	690	
QPD.9.7	Local Number	1231234	
QPD.10	Multiple birth indicator	1	
QPD.11	Birth order		

### PID: Patient Identification-

Location	Data Elemenmt	Data	Categrization
PID.1	Set ID - PID	1	
PID.3	Patient Identifier List		
PID.3.1	ID Number	123456	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	MYEHR	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	MR	
PID.3	Patient Identifier List		
PID.3.1	ID Number	34500907	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	MyIIS	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	SR	
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Stanley	
PID.5.2	Given Name	Clement	
PID.5.3	Second and Further Given Names or Initials Thereof	S	
PID.5.7	Name Type Code	L	
PID.7	Date/Time of Birth		
PID.7.1	Time	19500214	
PID.8	Administrative Sex	M	
PID.11	Patient Address		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address	10 East Main St	
PID.11.2	Other Designation		
PID.11.3	City	Titletown	
PID.11.4	State or Province	WI	
PID.11.5	Zip or Postal Code		
PID.11.6	Country		
PID.11.7	Address Type	L	
PID.30	Patient Death Indicator		

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

Location	Data Elemenmt	Data	Categrization
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	20090415	
RXA.5	Administered Code		
RXA.5.1	Identifier	31	
RXA.5.2	Text	Hep B Peds NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18	Identifier Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### 

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	2	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	1	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	3	
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.3.5	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.6.5	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	20141031	

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

CL CLTDC		
Give Sub-ID Counter	0	
Administration Sub-ID Counter	1	
Date/Time Start of Administration		
Time	20090515	
Administered Code		
Identifier	31	
Text	Hep B Peds NOS	
Name of Coding System	CVX	
Alternate Text		
Name of Alternate Coding System		
Administered Amount	999	
Administered Units		
Identifier		
Text		
Name of Coding System		
Alternate Text		
Name of Alternate Coding System		
-		
Identifier	01	
-		
<u> </u>		
Second and Further Given Names or Initials Thereof		
-		
-		
+		
+		
	CID	
	Date/Time Start of Administration  Time  Administered Code  Identifier  Text  Name of Coding System  Alternate Text  Name of Alternate Coding System  Administered Amount  Administered Units  Identifier  Text  Name of Coding System  Alternate Text  Name of Alternate Coding System  Alternate Text  Name of Alternate Coding System  Administration Notes  Identifier  Text  Name of Coding System  Administration System  Administration Notes  Identifier  Text  Name of Coding System  Alternate Text  Name of Alternate Coding System  Alternate Text  Name of Alternate Coding System  Surname  Given Name  Second and Further Given Names or Initials	Time 20090515  Administered Code  Identifier 31  Text Hep B Peds NOS  Name of Coding System CVX  Alternate Text Possible Text Po

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	4	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	5	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	2	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
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.3.5	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.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	20091215	
RXA.5	Administered Code		
RXA.5.1	Identifier	31	
RXA.5.2	Text	Hep B Peds NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	7	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	8	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	3	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	9	
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.3.5	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.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE  Placer Order Number  Universal ID  Universal ID Type  Filler Order Number  Universal ID

Location	Data Elemenmt	Data	Categrization
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	19600415	
RXA.5	Administered Code		
RXA.5.1	Identifier	01	
RXA.5.2	Text	DTP	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	10	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	11	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data Categri	ization
OBX.1	Set ID - OBX	12	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	4	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE  Placer Order Number  Universal ID  Universal ID Type  Filler Order Number  Universal ID

Location	Data Elemenmt	Data	Categrization
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	19600415	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.12	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Substance/ I reatment Refusal Reason		
RXA.18.1			
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System	l on	
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	14	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	15	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	5	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control     RE       Placer Order Number     Universal ID       Universal ID Type     Filler Order Number       Universal ID     Universal ID

Location	Data Elemenmt	Data	Categrization
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	19600615	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	1111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.11.4.3	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5 RXA.18.6	Alternate Text  Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	16	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### OBX : Observation/Result———

Location	Data Elemenmt	Data Categ	rization
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data C	Categrization
OBX.1	Set ID - OBX	18	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	6	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE  Placer Order Number  Universal ID  Universal ID Type  Filler Order Number  Universal ID

Location	Data Elemenmt	Data	Categrization
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	19600910	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.3	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.10	Check Digit Scheme		
RXA.10.12	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4 RXA.11.4.1	Namespace ID		
	Universal ID		
RXA.11.4.2			
RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	<b>Completion Status</b>	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	19	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	20	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	21	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	7	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE  Placer Order Number  Universal ID  Universal ID Type  Filler Order Number  Universal ID

Location	Data Elemenmt	Data	Categrization
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	19610415	
RXA.5	Administered Code		
RXA.5.1	Identifier	89	
RXA.5.2	Text	polio NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
		historical record	
RXA.9.2 RXA.9.3	Text	NIP001	
	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	22	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

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Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	23	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	24	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	8	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

Location	Data Elemenmt	Data	Categrization
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	19520415	
RXA.5	Administered Code		
RXA.5.1	Identifier	75	
RXA.5.2	Text	vaccinia small pox	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	1111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Identifier		
RXA.18.1			
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5 RXA.18.6	Alternate Text  Name of Alternate Coding System		
DYAIVA	I Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

Location	Data Elemenmt	Data	Categrization
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	20130415	
RXA.5	Administered Code		
RXA.5.1	Identifier	33	
RXA.5.2	Text	pneumococcal ppv23	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text		
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2 RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Identifier		
RXA.18.1 RXA.18.2			
	Text		
RXA.18.3	Name of Coding System		
RXA.18.5 RXA.18.6	Alternate Text  Name of Alternate Coding System		
	I Name of Alternate Coding System		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	25	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

#### OBX : Observation/Result

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	26	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data Catego	rization
OBX.1	Set ID - OBX	27	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	9	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20090415	
RXA.5	Administered Code		
RXA.5.1	Identifier	139	
RXA.5.2	Text	Td NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	111 001	
RXA.9.6	Name of Alternate Coding System		
RXA.10	Administering Provider		
RXA.10.1	ID Number		
RXA.10.1	Family Name		
RXA.10.2.1	Surname		
RXA.10.2.1	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.1	Universal ID		
RXA.11.4.2	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
	Identifier Substance/ Freatment Refusal Reason		
RXA.18.1			
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System	l on	
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	28	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	29	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	30	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	10	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

#### ORC: Common Order-

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20091015	
RXA.5	Administered Code		
RXA.5.1	Identifier	88	
RXA.5.2	Text	influenza NOS	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
	Name of Alternate Coding System		
RXA.18.6			

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	31	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	32	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	33	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	11	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

#### ORC: Common Order-

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20101015	
RXA.5	Administered Code		
RXA.5.1	Identifier	141	
RXA.5.2	Text	influenza seasonal	
RXA.5.3	Name of Coding System	CVX	
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.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	Administration Notes		
RXA.9.1	Identifier	01	
RXA.9.2	Text	historical record	
RXA.9.3	Name of Coding System	NIP001	
RXA.9.5	Alternate Text	NIFOUI	
RXA.9.6	Name of Alternate Coding System		
RXA.10 RXA.10.1	Administering Provider		
RXA.10.1	ID Number		
	Family Name Surname		
RXA.10.2.1	Given Name		
KAA.10.3			
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	СР	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	34	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	35	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	36	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	12	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

#### ORC: Common Order-

Data Elemenmt	Data	Categrization
Order Control	RE	
Placer Order Number		
Universal ID		
Universal ID Type		
Filler Order Number		
Universal ID		
Universal ID Type		
	Order Control Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID	Order Control RE Placer Order Number Universal ID Universal ID Type Filler Order Number Universal ID

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20110901	
RXA.5	Administered Code		
RXA.5.1	Identifier	140	
RXA.5.2	Text	seasonal flu	
RXA.5.3	Name of Coding System	CVX	
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
RXA.6	Administered Amount	0.5	
RXA.7	Administered Units		
RXA.7.1	Identifier	mL	
RXA.7.2	Text		
RXA.7.3	Name of Coding System	UCUM	
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.9.5	Alternate Text	1111 001	
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	Sticker	
RXA.10.3	Given Name	Nurse	
RXA.10.4	Second and Further Given Names or Initials Thereof	ruise	
RXA.10.9	Assigning Authority		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
RXA.10.13	Identifier Type Code		
RXA.11	Administered-at Location		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID	DCS DC	
RXA.11.4.1	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.1	Text		
RXA.18.2	Name of Coding System		
RXA.18.5	Alternate Text		
	Name of Alternate Coding System		
RXA.18.6			

## -RXR: Pharmacy/Treatment Route-

Location	Data Elemenmt	Da	ta Categrization
RXR.1	Route		
RXR.1.1	Identifier	C28161	
RXR.1.2	Text	IM	
RXR.1.3	Name of Coding System	NCIT	
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		

### OBX : Observation/Result-

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	37	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	38	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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	20141031	

#### OBX : Observation/Result———

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	39	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	13	
OBX.5	Observation Value	Y	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	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	20141031	

#### **ORC**: Common Order

Location	Data Elemenmt	Data	Categrization
ORC.1	Order Control	RE	
ORC.2	Placer Order Number		
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
ORC.3	Filler Order Number		
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		

## -RXA: Pharmacy/Treatment Administration-

Location	Data Elemenmt	Data	Categrization
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	20141031	
RXA.5	Administered Code		
RXA.5.1	Identifier	998	
RXA.5.2	Text	no vaccine admin	
RXA.5.3	Name of Coding System	CVX	
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.7.5	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.9.5	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.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.10.10	Name Type Code		
RXA.10.12	Check Digit Scheme		
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.18	Substance/Treatment Refusal Reason		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	Completion Status	NA	

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	40	
OBX.2	Value Type	СЕ	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	Observation Result Status	F	
OBX.14	<b>Date/Time of the Observation</b>		
OBX.14.1	Time		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	41	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	42	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30980-7	
OBX.3.2	Text	Date vaccination due	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value	20150214	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	43	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30981-5	
OBX.3.2	Text	Earliest Date to give	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	14	
OBX.5	Observation Value	20150914	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	44	
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.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value		
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization	
OBX.1	Set ID - OBX	45		
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.3.5	Alternate Text			
OBX.3.6	Name of Alternate Coding System			
OBX.4	Observation Sub-ID	15		
OBX.5	Observation Value			
OBX.6	Units			
OBX.6.1	Identifier			
OBX.6.2	Text			
OBX.6.3	Name of Coding System			
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			

Location	Data Elemenmt	Data	Categrization		
OBX.1	Set ID - OBX	46			
OBX.2	Value Type	DT			
OBX.3	Observation Identifier				
OBX.3.1	Identifier	30980-7			
OBX.3.2	Text	Date vaccination due			
OBX.3.3	Name of Coding System	LN			
OBX.3.5	Alternate Text				
OBX.3.6	Name of Alternate Coding System				
OBX.4	Observation Sub-ID	15			
OBX.5	Observation Value	20150914			
OBX.6	Units				
OBX.6.1	Identifier				
OBX.6.2	Text				
OBX.6.3	Name of Coding System				
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				

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	47	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	59777-3	
OBX.3.2	Text	iwehwieofnd	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value	20151111	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

Location	Data Elemenmt	Data	Categrization
OBX.1	Set ID - OBX	48	
OBX.2	Value Type	DT	
OBX.3	Observation Identifier		
OBX.3.1	Identifier	30981-5	
OBX.3.2	Text	Earliest Date to give	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	Observation Sub-ID	15	
OBX.5	Observation Value	20150914	
OBX.6	Units		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
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		

### **Juror Document**

Evaluated Immunization History and Immunization Forecast (RSP Z42)						
Test Case ID						
Inspection Date/Time						
Inspection Settlement	Pass	Fail				
Juror ID						
Juror Name						

### **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 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							
123456	Clement S Stanley	02/14/1950	Male				

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 Im	munization Histo	ry				
Vaccine Group	Vaccine Administered	Date Administered	Valid Dose	Validity Reason	Completion Status*	<b>Tester Comment</b>
Hep B NOS	Hep B Peds NOS	04/15/2009	YES		Complete	
Hep B NOS	Hep B Peds NOS	05/15/2009	YES		Complete	
Hep B NOS	Hep B Peds NOS	12/15/2009	YES		Complete	
DTAP NOS	DTP	04/15/1960	YES		Complete	
polio NOS	polio NOS	04/15/1960	YES		Complete	
polio NOS	polio NOS	06/15/1960	YES		Complete	
polio NOS	polio NOS	09/10/1960	YES		Complete	
polio NOS	polio NOS	04/15/1961	YES		Complete	
pneumococcal ppv23	pneumococcal ppv23	04/15/2013	YES		Complete	
Td NOS	Td NOS	04/15/2009	YES		Complete	
influenza NOS	influenza NOS	10/15/2009	YES		Complete	
influenza NOS	influenza seasonal	10/15/2010	YES		Complete	
influenza NOS	seasonal flu	09/01/2011	YES		Complete	

<sup>\* &</sup>quot;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	<b>Due Date</b>	Earliest Date To Give	Latest Date to Give	Series Status	Forecast Reason	<b>Tester Comment</b>	
pcv NOS	02/14/2015	09/14/2015	11/11/2015				
influenza NOS	09/14/2015	09/14/2015	11/11/2015				

# 2.3. Q R TC-3

Tests ability to send a query and receive a response where no patients are found.

## **Test Story**

—Description————————————————————————————————————	
Description	
No Description	
—Comments—	
No Comments No Comments	
PreCondition———————————————————————————————————	
1	
No PreCondition	
<b>—PostCondition</b>	
1	
No PostCondition	
No PostCondition	
<u></u>	
Test Objectives	
No Test Objectives	
Evaluation Criteria	
No evaluation criteria	
- Notes to Testows	
Notes to Testers	
No Note	

# 2.3.1. Send Query expecting no match

This query should return a response where no matches are found.

## **Test Story**

—Description————————————————————————————————————	
No Description	
[NO Storiphon	
—Comments—	
No Comments	i
-PreCondition	
No PreCondition	
-PostCondition-	
No PostCondition	
Test Objectives————————————————————————————————————	
	ı
No Test Objectives	
Evaluation Criteria	
No evaluation criteria	
Notes to Testers—	
No Note	
	]

# **Message Contents**

## -MSH : Message Header-

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	Test Case Fixed
MSH.2	<b>Encoding Characters</b>	Encoding	Test Case Fixed
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyEHR	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	DCS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MyIIS	
MSH.5.2	Universal ID	11-5-1-5	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	StatePH	
MSH.6.2	Universal ID	James 11	
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150531145156-0500	
MSH.9	Message Type	20130331143130-0300	
MSH.9.1	Message Code	QBP	
MSH.9.2	Trigger Event		
MSH.9.3	Message Structure	Q11	
MSH.9.3 MSH.10	Message Control ID	QBP_Q11 993533469	Content Indifferent
MSH.11	Processing ID		mamerent
MSH.11.1	Processing ID	P	
MSH.12	Version ID	-   -   -   -   -   -   -   -   -   -	
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	Test Case Fixed
MSH.16	Application Acknowledgment Type	AL	Test Case Fixed
MSH.21	Message Profile Identifier		Thou
MSH.21.1	Entity Identifier	Z44	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID	l l l l l l l l l l l l l l l l l l l	
MSH.22.6.3	Universal ID Type  Identifier Type Code	XX	
MSH.22.7	Organization Identifier		
MSH.22.10		6439432	
MSH.23	Receiving Responsible Organization	C4-4-DII	
MSH.23.1	Organization Name	StatePH	
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_22ation	Identifier Type (Data Elemenmt	Data	Categrization
MSH.23.10	Organization Identifier		

### QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrizatio
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	Content Indifferent
QPD.3	PatientList		
QPD.3.1	ID Number	177993456	
QPD.3.3	Check Digit Scheme		
QPD.3.4	Assigning Authority		
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type		
OPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName	, mi	
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Standard	
	Given Name	Sam	
QPD.4.2	Second and Further Given Names or Initials	Sam	
QPD.4.3	Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	PatientMotherMaidenName		
QPD.5.1	Family Name		
QPD.5.1.1	Surname		
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19800214	
QPD.7	Patient Sex	M	Test Case Fixed
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Pretty Valley	
QPD.8.4	State or Province	MI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	Phone		
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.3	Telecommunication Equipment Type	PH	
QPD.9.4	Email Address		
QPD.9.4 QPD.9.6	Area/City Code	734	
QPD.9.7	Local Number	5556712	
QPD.9.7 QPD.10	Multiple birth indicator		
Λι η·ιη	Birth order		

Location	Data Elemenmt	Data	Categrization
RCP.1	Query Priority	I	

## **Test Data Specification**

Patient Phone

Patient Information		
Element	Data	
Patient Name	Sam S Standard	
Date/Time of Birth	02/14/1980	
Sex	M	
Patient Address	10 East Main St Pretty Valley MI	

(734)555-6712

# 2.3.2. Response where no matches were found

## Response with no matches found

## **Test Story**

—Description————————————————————————————————————	
No Description	
No Description	
Comments	
No Comments	
-PreCondition-	
query finds no matches	
- PostCondition	
Clinician is alerted to fact of no matches.	
Test Objectives	
No Test Objectives	
—Evaluation Criteria———————————	
Clinician is notified of no match.	
—Notes to Testers—	
1101C5 to 1 C51C15	
No Note	

## **Message Contents**

-MSH : Message Header-

Location	Data Elemenmt	Data	Categrization
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyIIS	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	StatePH	
MSH.4.2	Universal ID	Suiter	
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MYEHR	
MSH.5.2	Universal ID	WILDIK	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1		DCS	
MSH.6.2	Namespace ID Universal ID	DCS	
MSH.6.3			
	Universal ID Type		
MSH.7	Date/Time Of Message	20151021145222 0500	
MSH.7.1	Time	20151031145233-0500	
MSH.9	Message Type	ln cn	
MSH.9.1	Message Code	RSP	
MSH.9.2	Trigger Event	K11	
MSH.9.3	Message Structure	RSP_K11	
MSH.10	Message Control ID	3533469	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code	XX	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	StatePH	
MSH.23.6	Assigning Authority		
MSH.23.6.1	Namespace ID		
	Universal ID		
MSH.23.6.2			
MSH.23.6.2 MSH.23.6.3	Universal ID Type		
	Universal ID Type  Identifier Type Code		

### MSA: Message Acknowledgment—

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	993533469	

### QAK: Query Acknowledgment-

Location	Data Elemenmt	Data	Categrization
QAK.1	Query Tag	37374859	
QAK.2	Query Response Status	NF	
QAK.3	Message Query Name		
QAK.3.1	Identifier	Z44	
QAK.3.2	Text	request evaluated Immunization history	
QAK.3.3	Name of Coding System	CDCPHINVS	
QAK.3.5	Alternate Text		
QAK.3.6	Name of Alternate Coding System		

## QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrizatio
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	37374859	
QPD.3	PatientList	(777,100)	
QPD.3.1	ID Number	177993456	
QPD.3.3	Check Digit Scheme	177755150	
QPD.3.4	Assigning Authority		
	Namespace ID	MYEHR	
QPD.3.4.1	Universal ID	МТЕПК	
QPD.3.4.2			
QPD.3.4.3	Universal ID Type	) m	
QPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName		
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Standard	
QPD.4.2	Given Name	Sam	
QPD.4.3	Second and Further Given Names or Initials Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	<b>PatientMotherMaidenName</b>		
QPD.5.1	Family Name		
QPD.5.1.1	Surname		
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19800214	
QPD.7	Patient Sex	M	
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Pretty Valley	
QPD.8.4	State or Province	MI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9.7	Phone		
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.2 QPD.9.3		PH PH	
	Telecommunication Equipment Type	FII	
QPD.9.4	Email Address	77.4	
QPD.9.6	Area/City Code	734	
QPD.9.7	Local Number	5556712	
QPD.10	Multiple birth indicator		
QPD.11	Birth order		

### **Juror Document**

Evaluated Immunization History and Immunization Forecast (RSP Z42)					
Test Case ID					
Inspection Date/Time					
Inspection Settlement	Pass	Fail			
Inspection Settlement					
Juror ID					
Juror Name					

#### **DISPLAY VERIFICATION**

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Patient Information					
Patient Identifier	Patient Name	DOB	Gender	<b>Tester Comment</b>	

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** 

# 2.4. Q R TC-4

## Query finds too many matches

### **Test Story**

1	on —
Γhis test evaluates t	he ability of the EHR to gracefully accept a response where too many matches are found, based on the parameters sent in the
query. Note that thi	s query only expects an evaluated history and forecast when an exact match is found.
commen	ts-
The intiating clinici	an should be alerted to the failure to get an exact match.
reCondi	tion
No PreCondition	
. ~.	
ostCond	lition———————————————————————————————————
No PostCondition	
est Obje	octivos————————————————————————————————————
csi Obje	zerves
The intiating clinic	an should be alerted to the failure to get an exact match.
ne intlating crime	an should be alerted to the familie to get an exact materi.
evaluatio	n Criteria
Evaluatio	n Criteria
	he response and alerts the clinician that too many matches were found.

## 2.4.1. Query that finds too many matches

### Query will find too many matches

## **Test Story**

This test sends a query	hat will find too many matches.	
Comments		
The sending system wi	need to accept a response indicating that too many matches were found.	
DwoCondit	0 M	
PreCondit	DII	
More than one person	the IIS matching the parameters in the query exists.	
PostCondi	ion———	
Response indicates tha	there are more than one match (too many) and the clinician is informed.	
Test Objec	ives	
)		
No Test Objectives		
Evaluation	Criteria	
No evaluation criteria		
Jotes to T	sters	
ious to 1		

# **Message Contents**

## -MSH : Message Header-

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	Test Case Fixed
MSH.2	<b>Encoding Characters</b>	Encoding	Test Case Fixed
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyEHR	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	DCS	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MyIIS	
MSH.5.2	Universal ID	11-5-1-5	
MSH.5.3	Universal ID Type		
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	StatePH	
MSH.6.2	Universal ID	James 11	
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20150531145156-0500	
MSH.9	Message Type	20130331143130-0300	
MSH.9.1	Message Code	QBP	
MSH.9.2	Trigger Event		
MSH.9.3	Message Structure	Q11	
MSH.9.3 MSH.10	Message Control ID	QBP_Q11 113533469	Content Indifferent
MSH.11	Processing ID		mamerent
MSH.11.1	Processing ID	P	
MSH.12	Version ID	-   -   -   -   -   -   -   -   -   -	
MSH.12.1	Version ID	2.5.1	
MSH.15	Accept Acknowledgment Type	ER	Test Case Fixed
MSH.16	Application Acknowledgment Type	AL	Test Case Fixed
MSH.21	Message Profile Identifier		1 IACU
MSH.21.1	Entity Identifier	Z44	
MSH.21.2	Namespace ID	CDCPHINVS	
MSH.21.3	Universal ID	CBCI III.VV	
MSH.21.4	Universal ID Type		
MSH.22	Sending Responsible Organization		
MSH.22.1	Organization Name	DCS	
MSH.22.6	Assigning Authority		
		DCS	
MSH.22.6.1 MSH.22.6.2	Namespace ID Universal ID	DCS	
MSH.22.6.3			
	Universal ID Type	VV	
MSH.22.7	Identifier Type Code	XX (420422)	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization	C DIV	
MSH.23.1	Organization Name	StatePH	
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_22ention	Identifier Type (Data Elemenmt	Data	Categrization
MSH.23.10	Organization Identifier		

## **QPD: Query Parameter Definition**

Location	Data Elemenmt	Data	Categrization
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.1.5	Alternate Text		
QPD.1.6	Name of Alternate Coding System		
QPD.2	Query Tag	3137374859	Content Indifferent
QPD.3	PatientList		
QPD.3.1	ID Number	177993456	
QPD.3.3	Check Digit Scheme		
QPD.3.4	Assigning Authority		
QPD.3.4.1	Namespace ID	MYEHR	
QPD.3.4.2	Universal ID		
QPD.3.4.3	Universal ID Type		
OPD.3.5	Identifier Type Code	MR	
QPD.4	PatientName		
QPD.4.1	Family Name		
QPD.4.1.1	Surname	Johnson	
	Given Name	Sam	
QPD.4.2	Second and Further Given Names or Initials	Sam	
QPD.4.3	Thereof	S	
QPD.4.7	Name Type Code	L	
QPD.5	PatientMotherMaidenName		
QPD.5.1	Family Name		
QPD.5.1.1	Surname		
QPD.5.7	Name Type Code		
QPD.6	PatientDateOfBirth		
QPD.6.1	Time	19800214	
QPD.7	Patient Sex	M	Test Case Fixed
QPD.8	Patient Address		
QPD.8.1	Street Address		
QPD.8.1.1	Street or Mailing Address	10 East Main St	
QPD.8.2	Other Designation		
QPD.8.3	City	Pretty Valley	
QPD.8.4	State or Province	MI	
QPD.8.5	Zip or Postal Code		
QPD.8.6	Country		
QPD.8.7	Address Type	L	
QPD.9	Phone		
QPD.9.2	Telecommunication Use Code	PRN	
QPD.9.3	Telecommunication Equipment Type	РН	
QPD.9.4	Email Address		
QPD.9.4 QPD.9.6	Area/City Code	734	
QPD.9.7	Local Number	5556712	
		3330/12	
QPD.10	Multiple birth indicator  Birth order		

#### **Juror Document**

Evaluated Immunization History and Immunization Forecast (RSP Z42)					
Test Case ID					
Inspection Date/Time					
Inspection Settlement	Pass Fail				
Juror ID					
Juror Name					

#### **DISPLAY VERIFICATION**

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Patient Information					
Patient Identifier	Patient Name	DOB	Gender	<b>Tester Comment</b>	

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**Evaluated Immunization History and Immunization Forecast** 

# 2.4.2. Response with too many matches

## **No Description**

## **Test Story**

Description———	
No Description	
Comments———	
Comments	
No Comments	
G	
<b>D</b> C 11.1	
PreCondition———	
No PreCondition	
100 Tecondition	
PostCondition———	
Clinician is alerted to multiple match condition.	
Test Ohiectives———	
Test Objectives——	
Test Objectives	
Test Objectives  No Test Objectives	
No Test Objectives	
No Test Objectives	
No Test Objectives	
No Test Objectives  Evaluation Criteria	
No Test Objectives	
No Test Objectives  Evaluation Criteria	
Evaluation Criteria	
No Test Objectives  Evaluation Criteria  No evaluation criteria	
No Test Objectives  Evaluation Criteria	
No Test Objectives  Evaluation Criteria  No evaluation criteria	
No Test Objectives  Evaluation Criteria  No evaluation criteria	

## **Message Contents**

MSH : Message Header

Location	Data Elemenmt	Data	Categrizatio
MSH.1	Field Separator	FieldSeperator	
MSH.2	Encoding Characters	Encoding	
MSH.3	Sending Application		
MSH.3.1	Namespace ID	MyIIS	
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	StatePH	
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	MYEHR	
MSH.5.2	Universal ID	WILLING	
MSH.5.3	Universal ID Type		
	-		
MSH.6	Receiving Facility	Dog	
MSH.6.1	Namespace ID	DCS	
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20151031145233-0500	
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	3533469	
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	DCS	
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID	DCS	
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code	XX	
MSH.22.10	Organization Identifier	6439432	
MSH.23	Receiving Responsible Organization		
MSH.23.1	Organization Name	StatePH	
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		
141011.43./	Organization Identifier		

### MSA: Message Acknowledgment—

Location	Data Elemenmt	Data	Categrization
MSA.1	Acknowledgment Code	AA	
MSA.2	Message Control ID	113533469	

### QAK: Query Acknowledgment-

Location	Data Elemenmt	Data	Categrization
QAK.1	Query Tag	3137374859	
QAK.2	Query Response Status TM		
QAK.3	Message Query Name		
QAK.3.1	Identifier	Z44	
QAK.3.2	Text	request evaluated Immunization history	
QAK.3.3	Name of Coding System	CDCPHINVS	
QAK.3.5	Alternate Text		
QAK.3.6	Name of Alternate Coding System		

## QPD: Query Parameter Definition-

Location	Data Elemenmt	Data	Categrizatio	
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.1.5	Alternate Text			
QPD.1.6	Name of Alternate Coding System			
QPD.2	Query Tag	3137374859		
QPD.3	PatientList			
QPD.3.1	ID Number	177993456		
QPD.3.3	Check Digit Scheme	17775430		
QPD.3.4	Assigning Authority			
		MYEHD		
QPD.3.4.1	Namespace ID	MYEHR		
QPD.3.4.2	Universal ID			
QPD.3.4.3	Universal ID Type	la m		
QPD.3.5	Identifier Type Code	MR		
QPD.4	PatientName			
QPD.4.1	Family Name			
QPD.4.1.1	Surname	Johnson		
QPD.4.2	Given Name	Sam		
QPD.4.3	Second and Further Given Names or Initials Thereof	S		
QPD.4.7	Name Type Code	L		
QPD.5	<b>PatientMotherMaidenName</b>			
QPD.5.1	Family Name			
QPD.5.1.1	Surname			
QPD.5.7	Name Type Code			
QPD.6	PatientDateOfBirth			
QPD.6.1	Time	19800214		
QPD.7	Patient Sex	M		
QPD.8	Patient Address			
OPD.8.1	Street Address			
QPD.8.1.1	Street or Mailing Address	10 East Main St		
QPD.8.2	Other Designation			
QPD.8.3	City	Pretty Valley		
QPD.8.4	State or Province	MI		
QPD.8.5	Zip or Postal Code			
QPD.8.6	Country			
QPD.8.7	Address Type	L		
	- i	L		
QPD.9	Phone	DDAY		
QPD.9.2	Telecommunication Use Code	PRN		
QPD.9.3	Telecommunication Equipment Type	PH		
QPD.9.4	Email Address	las i		
QPD.9.6	Area/City Code	734		
QPD.9.7	Local Number	5556712		
QPD.10	Multiple birth indicator			
QPD.11	Birth order			

### **Juror Document**

Evaluated Immunization History and Immunization Forecast (RSP Z42)			
Test Case ID			
Inspection Date/Time			
I C.441	Pass	Fail	
Inspection Settlement			
Juror ID			
Juror Name			

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Patient Identifier	Patient Name	DOB	Gender	<b>Tester Comment</b>	

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**Evaluated Immunization History and Immunization Forecast**