Description

A toddler, Jirra Emmanuelle Mercer, is brought to the clinic on Aug 16, 2012 for a well child visit. The clinic staff collects basic identifying information, including name, birth date, and sex. A clinician reviews the patient's vaccination history and determines that the child previously received a IPV vaccine on Feb 16, 2011. A clinician reviews the patient's vaccination history and determines that the patient needs an Influenza vaccination and a DTaP-Hib-IPV combination vaccination. A clinician interviews the mother and determines that the patient qualifies for all Vaccines For Children (VFC) supplied vaccines under the status of VFC eligible - Federally Qualified Health Center Patient (under-insured). A clinician gives the mother four Vaccine Information Statements (VIS) to review: Inactivated Flu published Jul 02, 2012, DTaP published May 17, 2007 Hib published Nov 08, 2011, and Polio published Nov 8, 2011. After reading them the mother agrees that the child should receive all the vaccinations recommended. A clinician prepares an Influenza vaccination dose, GlaxoSmithKline Lot # K5094SC, from the VFC publicly supplied vaccine stock and administers it to the patient in the right arm. A clinician prepares a DTaP-Hib-IPV vaccination dose, sanofi pasteur Lot #568AHK11, from the VFC publicly supplied vaccine stock and administers it to the patient in the right arm. A clinician enters the patient demographic information, VFC status, VIS information, vaccination history, and vaccination administration information into the EHR and transmits it to the IIS.

PreCondition

NO PreCondition.

PostCondition

NO PostCondition.

TestObjectives

This test case examines the ability of an EHR to create a VXU message for a well child visit where a single, historical and combination vaccination will be reported. A typical populated message for this test case must provide; - Patient demographic information in the PID segment. - Vaccination administration information in the RXR and RXA segment; RXA.9 must be populated indicating if the record is based on a historical or a new immunization record. - In each RXA segment the report must provide additional information regarding the vaccination in the OBX segments; - For a single vaccination, the vaccine funding program eligibility category, VIS document type, date vaccine information statement was published and the date the information statement was presented must be provided. - For a historical vaccination, no additional information is necessary. - For a combination vaccination, the vaccine funding program eligibility category must be provided and for each vaccine in the VIS document type, the date vaccine information statement was published and the date the information statement was presented must be provided. The test case provides an example of the patient information, and vaccination administration information.

Notes to Testers

NO Note.

Patient Information

Element Name	Data
Patient Name	Mercer Jirra Emmanuelle
Mother's Maiden Name	
Date/Time of Birth	09/07/2010
Administrative Sex	Female
Patient Address	
Local Number	
Race	
Ethnic Group	
Birth Order	

Vaccine Administration Information

Element Name	Data
Administered Code - Text	Influenza
Date/Time Start of Administration	08/16/2012
Administered Amount	0.25
Administered Units	milliliters
Administration Notes (Text)	New immunization record
Substance Lot Number	K5094SC
Substance Expiration Date	12/16/2012
Substance Manufacturer Name	GlaxoSmithKline
Substance/Treatment Refusal Reason	
Route	Intramuscular
Administration Site	Right Arm

New immunization record	
Vaccine funding program eligibility category	VFC eligible - Federally Qualified Health Center Patient (under-insured)
vaccine type	Inactivated Flu
Date vaccine information statement published	07/02/2012
Date vaccine information statement presented	08/14/2012

Vaccine Administration Information

Element Name	Data
Administered Code - Text	IPV
Date/Time Start of Administration	02/16/2011
Administered Amount	999
Administered Units	
Administration Notes (Text)	Historical information - source unspecified
Substance Lot Number	

Substance Expiration Date	
Substance Manufacturer Name	
Substance/Treatment Refusal Reason	
Route	
Administration Site	

Vaccine Administration Information

Element Name	Data
Administered Code - Text	DTaP-Hib-IPV
Date/Time Start of Administration	08/16/2012
Administered Amount	0.5
Administered Units	milliliters
Administration Notes (Text)	New immunization record
Substance Lot Number	568AHK11
Substance Expiration Date	12/16/2012
Substance Manufacturer Name	sanofi pasteur
Substance/Treatment Refusal Reason	
Route	Intramuscular
Administration Site	Right Arm

New immunization record	
Vaccine funding program eligibility category	VFC eligible - Federally Qualified Health Center Patient (under-insured)
vaccine type	DTaP
Date vaccine information statement published	05/17/2007
Date vaccine information statement presented	08/16/2012
vaccine type	Polio
Date vaccine information statement published	11/08/2011
Date vaccine information statement presented	08/16/2012
vaccine type	Hib
Date vaccine information statement published	11/08/2011
Date vaccine information statement presented	08/16/2012

Test Case Information

NIST-IZ-006.00 - Complete Record; 1 new immunization, 1 historial, and 1 new combo immunization	
Test Case ID	IZ_7_1.1

MSH : Message Header Segment

Location	Data Element	Data	Categorization
MSH.1	**Field Separator**	|	IG Fixed Data
MSH.2	**Encoding Characters**	^~\&	IG Fixed Data
MSH.3	**Sending Application**		
MSH.3.1	Namespace ID	Test EHR Application	Configurable Data
MSH.3.2	Universal ID		
MSH.3.3	Universal ID Type		
MSH.4	**Sending Facility**		
MSH.4.1	Namespace ID	X68	Test Case Fixed Data
MSH.4.2	Universal ID		
MSH.4.3	Universal ID Type		
MSH.6	**Receiving Facility**		
MSH.6.1	Namespace ID	NIST Test Iz Reg	Configurable Data
MSH.6.2	Universal ID		
MSH.6.3	Universal ID Type		
MSH.7	**Date/Time Of Message**		
MSH.7.1	Time	201207010822	System Generated
MSH.9	**Message Type**		
MSH.9.1	Message Code	VXU	IG Fixed Data
MSH.9.2	Event Type	V04	IG Fixed Data
MSH.9.3	Message Structure	VXU_V04	IG Fixed Data
MSH.10	**Message Control ID**	NIST-IXZ-TC-VXU-XXX.XX	System Generated
MSH.11	**Processing ID**		
MSH.11.1	Processing ID	P	Configurable Data
MSH.12	**VersionID**		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.15	**Accept Acknowledgment Type**	AL	Changeable Data
MSH.16	**Application Acknowledgment Type**	ER	Changeable Data

PID : Patient Identifier Segment

Location	Data Element	Data	Categorization
PID.1	**Set ID - PID**	1	IG Fixed Data
PID.3[1]	**Patient Identifier List**		
PID.3[1].1	ID Number	Q-73221	Changeable Data
PID.3[1].4	Assigning Authority		
PID.3[1].4.1	Namespace ID	NIST MPI	Changeable Data
PID.3[1].4.2	Universal ID		
PID.3[1].4.3	Universal ID Type		
PID.3[1].5	Identifier Type Code	MR	Test Case Fixed Data
PID.5	**Patient Name**		
PID.5.1	Family Name		
PID.5.1.1	Surname	Mercer	Changeable Data
PID.5.2	Given Name	Jirra	Changeable Data
PID.5.3	Second and Further Given Names or Initials Thereof	Emmanuelle	
PID.5.7	Name Type Code	L	Test Case Fixed Data
PID.6	**Mother's Maiden Name**		

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PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.2	Given Name		
PID.6.3	Second and Further Given Names or Initials Thereof		
PID.6.7	Name Type Code		
PID.7	**Date/Time of Birth**		
PID.7.1	Time	20100907	Changeable Data
PID.8	**Administrative Sex**	F	Test Case Fixed Data
PID.10	**Race**		
PID.10.1	Identifier		
PID.10.2	Text		
PID.10.3	Name of the Coding System		
PID.10.4	Alternate Identifier		
PID.10.5	Alternate Text		
PID.10.6	Name of Alternate Coding System		
PID.11	**Patient Adddress**		
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.13	**Phone Number-Home**		
PID.13.2	Telecommunication Use Code		
PID.13.3	Telecommunication Equipment Type		
PID.13.4	Email Address		
PID.13.6	Area/City Code		
PID.13.7	Local Number		
PID.22	**Ethnic Group**		
PID.22.1	Identifier		
PID.22.2	Text		
PID.22.3	Name of the Coding System		
PID.22.4	Alternate Identifier		
PID.22.5	Alternate Text		
PID.22.6	Name of Alternate Coding System		
PID.24	**Multiple Birth Indicator**		
PID.25	**Birth Order**		
PID.29	**Patient Death Date and Time**		
PID.29.1	Time		
PID.30	**Patient Death Indicator**		

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ORC : Order Common

Location	Data Element	Data	Categorization
ORC.1	**Order Control**	RE	IG Fixed Data
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	IZ-783280	Changeable Data
ORC.3.2	Namespace ID	NDA	Changeable Data
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	**Entered By**		
ORC.10.1	ID Number		
ORC.10.2	Family Name		
ORC.10.2.1	Surname		
ORC.10.3	Given Name		
ORC.10.4	Second and Further Given Names or Initials Thereof		
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.12	**Ordering Provider**		
ORC.12.1	ID Number	57422	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	RADON	Changeable Data
ORC.12.3	Given Name	NICHOLAS	Changeable Data
ORC.12.4	Second and Further Given Names or Initials Thereof		
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NDA	Changeable Data
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	Test Case Fixed Data

RXA : Pharmacy Administration Segment

Location	Data Element	Data	Categorization
RXA.1	**Give Sub-ID Counter**	0	IG Fixed Data
RXA.2	**Administration Sub-ID Counter**	1	IG Fixed Data
RXA.3	**Date/Time Start of Administration**		
RXA.3.1	Time	20120816	Changeable Data
RXA.4	**Date/Time End of Administration**		
RXA.4.1	Date/Time End of Administration		
RXA.5	**Administered Code**		
RXA.5.1	Identifier	141	Test Case Fixed Data
RXA.5.2	Text	Influenza	Changeable Data
RXA.5.3	Name of Coding System	CVX	IG Fixed Data
RXA.5.4	Alternate Identifier		
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
RXA.6	**Administered Amount**	0.25	Test Case Fixed Data
RXA.7	**Administered Units (ml, etc)**		

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RXA.7.1	Identifier	mL	Test Case Fixed Data
RXA.7.2	Text	milliliters	Test Case Fixed Data
RXA.7.3	Name of Coding System	UCUM	Test Case Fixed Data
RXA.7.4	Alternate Identifier		
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	**Administration Notes**		
RXA.9-CE	**Administration Notes**		
RXA.9-CE.1	Identifier	00	Test Case Fixed Data
RXA.9-CE.2	Text	New immunization record	Changeable Data
RXA.9-CE.3	Name of Coding	NIP001	IG Fixed Data
RXA.9-CE.4	Alternate Identifier		
RXA.9-CE.5	Alternate Text		
RXA.9-CE.6	Name of Alternate		
RXA.10	**Administering Provider**		
RXA.10.1	ID Number		
RXA.10.2	Family Name		
RXA.10.2.1	Surname		
RXA.10.3	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.1	Namespace ID		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.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**	K5094SC	Changeable Data
RXA.16	**Substance Expiration Date**		
RXA.16.1	Time	20121216	Changeable Data
RXA.17	**Substance Manufacturer Name**		
RXA.17.1	Identifier	SKB	Test Case Fixed Data
RXA.17.2	Text	GlaxoSmithKline	Changeable Data
RXA.17.3	Name of Coding System	MVX	IG Fixed Data
RXA.17.4	Alternate Identifier		
RXA.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
RXA.18	**Substance/Treatment Refusal Reason**		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.4	Alternate Identifier		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	**Completion Status**	CP	Test Case Fixed Data
RXA.21	**Action Code - RXA**	A	Test Case Fixed Data

RXR : Pharmacy Route

Location	Data Element	Data	Categorization
RXR.1	**Route**		
RXR.1.1	Identifier	IM	Test Case Fixed Data
RXR.1.2	Text	Intramuscular	Changeable Data
RXR.1.3	Name of Coding System	HL70162	IG Fixed Data
RXR.1.4	Alternate Identifier		
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	**Administration Site**		
RXR.2.1	Identifier	RA	Test Case Fixed Data
RXR.2.2	Text	Right Arm	Changeable Data
RXR.2.3	Name of Coding	HL70163	IG Fixed Data
RXR.2.4	Alternate Identifier		
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	1	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	64994-7	Test Case Fixed Data
OBX.3.2	Text	Vaccine funding program eligibility category	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	1	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	V05	Test Case Fixed Data
OBX.5-CE.2	Text	VFC eligible - Federally Qualified Health Center Patient (under-insured)	Changeable Data
OBX.5-CE.3	Name of the Coding System	HL70064	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time	20120701	Changeable Data
OBX.17	**Observation Method**		
OBX.17.1	Identifier	VXC40	Test Case Fixed Data
OBX.17.2	Text	Eligibility captured at the immunization level	Changeable Data
OBX.17.3	Name of the Coding System	CDCPHINVS	IG Fixed Data
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	2	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	30956-7	Test Case Fixed Data
OBX.3.2	Text	vaccine type	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	88	Test Case Fixed Data
OBX.5-CE.2	Text	Inactivated Flu	Changeable Data
OBX.5-CE.3	Name of the Coding System	CVX	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	3	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29768-9	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement published	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20120702	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	4	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29769-7	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement presented	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20120814	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

ORC : Order Common

Location	Data Element	Data	Categorization
ORC.1	**Order Control**	RE	IG Fixed Data
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	IZ-783281	Changeable Data
ORC.3.2	Namespace ID	NDA	Changeable Data
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	**Entered By**		
ORC.10.1	ID Number		
ORC.10.2	Family Name		
ORC.10.2.1	Surname		
ORC.10.3	Given Name		
ORC.10.4	Second and Further Given Names or Initials Thereof		
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.12	**Ordering Provider**		
ORC.12.1	ID Number	57422	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	RADON	Changeable Data
ORC.12.3	Given Name	NICHOLAS	Changeable Data
ORC.12.4	Second and Further Given Names or Initials Thereof		
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NDA	Changeable Data
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	Test Case Fixed Data

RXA : Pharmacy Administration Segment

Location	Data Element	Data	Categorization
RXA.1	**Give Sub-ID Counter**	0	IG Fixed Data
RXA.2	**Administration Sub-ID Counter**	1	IG Fixed Data
RXA.3	**Date/Time Start of Administration**		
RXA.3.1	Time	20110216	Changeable Data
RXA.4	**Date/Time End of Administration**		
RXA.4.1	Date/Time End of Administration		
RXA.5	**Administered Code**		
RXA.5.1	Identifier	10	Test Case Fixed Data
RXA.5.2	Text	IPV	Changeable Data
RXA.5.3	Name of Coding System	CVX	IG Fixed Data
RXA.5.4	Alternate Identifier		
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
RXA.6	**Administered Amount**	999	Test Case Fixed Data
RXA.7	**Administered Units (ml, etc)**		

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RXA.7.1	Identifier		
RXA.7.2	Text		
RXA.7.3	Name of Coding System		
RXA.7.4	Alternate Identifier		
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	**Administration Notes**		
RXA.9-CE	**Administration Notes**		
RXA.9-CE.1	Identifier	01	Test Case Fixed Data
RXA.9-CE.2	Text	Historical information - source unspecified	Changeable Data
RXA.9-CE.3	Name of Coding	NIP001	IG Fixed Data
RXA.9-CE.4	Alternate Identifier		
RXA.9-CE.5	Alternate Text		
RXA.9-CE.6	Name of Alternate		
RXA.10	**Administering Provider**		
RXA.10.1	ID Number		
RXA.10.2	Family Name		
RXA.10.2.1	Surname		
RXA.10.3	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.1	Namespace ID		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.11	**Administered-at Location**		
RXA.11.4	Facility		
RXA.11.4.1	Namespace ID		
RXA.11.4.2	Universal ID		
RXA.11.4.3	Universal ID Type		
RXA.15	**Substance Lot Number**		
RXA.16	**Substance Expiration Date**		
RXA.16.1	Time		
RXA.17	**Substance Manufacturer Name**		
RXA.17.1	Identifier		
RXA.17.2	Text		
RXA.17.3	Name of Coding System		
RXA.17.4	Alternate Identifier		
RXA.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
RXA.18	**Substance/Treatment Refusal Reason**		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.4	Alternate Identifier		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	**Completion Status**		
RXA.21	**Action Code - RXA**		

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ORC : Order Common

Location	Data Element	Data	Categorization
ORC.1	**Order Control**	RE	IG Fixed Data
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	IZ-783282	Changeable Data
ORC.3.2	Namespace ID	NDA	Changeable Data
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
ORC.10	**Entered By**		
ORC.10.1	ID Number		
ORC.10.2	Family Name		
ORC.10.2.1	Surname		
ORC.10.3	Given Name		
ORC.10.4	Second and Further Given Names or Initials Thereof		
ORC.10.9	Assigning Authority		
ORC.10.9.1	Namespace ID		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.12	**Ordering Provider**		
ORC.12.1	ID Number	57422	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	RADON	Changeable Data
ORC.12.3	Given Name	NICHOLAS	Changeable Data
ORC.12.4	Second and Further Given Names or Initials Thereof		
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NDA	Changeable Data
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	Test Case Fixed Data

RXA : Pharmacy Administration Segment

Location	Data Element	Data	Categorization
RXA.1	**Give Sub-ID Counter**	0	IG Fixed Data
RXA.2	**Administration Sub-ID Counter**	1	IG Fixed Data
RXA.3	**Date/Time Start of Administration**		
RXA.3.1	Time	20120816	Changeable Data
RXA.4	**Date/Time End of Administration**		
RXA.4.1	Date/Time End of Administration		
RXA.5	**Administered Code**		
RXA.5.1	Identifier	120	Test Case Fixed Data
RXA.5.2	Text	DTaP-Hib-IPV	Changeable Data
RXA.5.3	Name of Coding System	CVX	IG Fixed Data
RXA.5.4	Alternate Identifier		
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
RXA.6	**Administered Amount**	0.5	Test Case Fixed Data
RXA.7	**Administered Units (ml, etc)**		

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RXA.7.1	Identifier	mL	Test Case Fixed Data
RXA.7.2	Text	milliliters	Test Case Fixed Data
RXA.7.3	Name of Coding System	UCUM	Test Case Fixed Data
RXA.7.4	Alternate Identifier		
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
RXA.9	**Administration Notes**		
RXA.9-CE	**Administration Notes**		
RXA.9-CE.1	Identifier	00	Test Case Fixed Data
RXA.9-CE.2	Text	New immunization record	Changeable Data
RXA.9-CE.3	Name of Coding	NIP001	IG Fixed Data
RXA.9-CE.4	Alternate Identifier		
RXA.9-CE.5	Alternate Text		
RXA.9-CE.6	Name of Alternate		
RXA.10	**Administering Provider**		
RXA.10.1	ID Number		
RXA.10.2	Family Name		
RXA.10.2.1	Surname		
RXA.10.3	Given Name		
RXA.10.4	Second and Further Given Names or Initials Thereof		
RXA.10.9	Assigning Authority		
RXA.10.9.1	Namespace ID		
RXA.10.9.2	Universal ID		
RXA.10.9.3	Universal ID Type		
RXA.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**	568AHK11	Test Case Fixed Data
RXA.16	**Substance Expiration Date**		
RXA.16.1	Time	20121216	Test Case Fixed Data
RXA.17	**Substance Manufacturer Name**		
RXA.17.1	Identifier	PMC	Test Case Fixed Data
RXA.17.2	Text	sanofi pasteur	Changeable Data
RXA.17.3	Name of Coding System	MVX	IG Fixed Data
RXA.17.4	Alternate Identifier		
RXA.17.5	Alternate Text		
RXA.17.6	Name of Alternate Coding System		
RXA.18	**Substance/Treatment Refusal Reason**		
RXA.18.1	Identifier		
RXA.18.2	Text		
RXA.18.3	Name of Coding System		
RXA.18.4	Alternate Identifier		
RXA.18.5	Alternate Text		
RXA.18.6	Name of Alternate Coding System		
RXA.20	**Completion Status**	CP	Test Case Fixed Data
RXA.21	**Action Code - RXA**	A	Test Case Fixed Data

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RXR : Pharmacy Route

Location	Data Element	Data	Categorization
RXR.1	**Route**		
RXR.1.1	Identifier	IM	Test Case Fixed Data
RXR.1.2	Text	Intramuscular	Changeable Data
RXR.1.3	Name of Coding System	HL70162	IG Fixed Data
RXR.1.4	Alternate Identifier		
RXR.1.5	Alternate Text		
RXR.1.6	Name of Alternate Coding System		
RXR.2	**Administration Site**		
RXR.2.1	Identifier	RA	Test Case Fixed Data
RXR.2.2	Text	Right Arm	Changeable Data
RXR.2.3	Name of Coding	HL70163	IG Fixed Data
RXR.2.4	Alternate Identifier		
RXR.2.5	Alternate Text		
RXR.2.6	Name of Alternate		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	1	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	64994-7	Test Case Fixed Data
OBX.3.2	Text	Vaccine funding program eligibility category	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	1	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	V05	Test Case Fixed Data
OBX.5-CE.2	Text	VFC eligible - Federally Qualified Health Center Patient (under-insured)	Changeable Data
OBX.5-CE.3	Name of the Coding System	HL70064	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time	20120701	Changeable Data
OBX.17	**Observation Method**		
OBX.17.1	Identifier	VXC40	Test Case Fixed Data
OBX.17.2	Text	Eligibility captured at the immunization level	Changeable Data
OBX.17.3	Name of the Coding System	CDCPHINVS	IG Fixed Data
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	2	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	30956-7	Test Case Fixed Data
OBX.3.2	Text	vaccine type	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	107	Test Case Fixed Data
OBX.5-CE.2	Text	DTaP	Changeable Data
OBX.5-CE.3	Name of the Coding System	CVX	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	3	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29768-9	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement published	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20070517	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	4	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29769-7	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement presented	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	2	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20120816	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	5	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	30956-7	Test Case Fixed Data
OBX.3.2	Text	vaccine type	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	3	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	89	Test Case Fixed Data
OBX.5-CE.2	Text	Polio	Changeable Data
OBX.5-CE.3	Name of the Coding System	CVX	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	6	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29768-9	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement published	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	3	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20111108	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	7	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29769-7	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement presented	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	3	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20120816	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	8	IG Fixed Data
OBX.2	**Value Type**	CE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	30956-7	Test Case Fixed Data
OBX.3.2	Text	vaccine type	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	4	Changeable Data
OBX.5-CE	**Observation Value**		
OBX.5-CE.1	Identifier	17	Test Case Fixed Data
OBX.5-CE.2	Text	Hib	Changeable Data
OBX.5-CE.3	Name of the Coding System	CVX	IG Fixed Data
OBX.5-CE.4	Alternate Identifier		
OBX.5-CE.5	Alternate Text		
OBX.5-CE.6	Name of Alternate Coding System		
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	9	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29768-9	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement published	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	4	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20111108	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

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OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	10	IG Fixed Data
OBX.2	**Value Type**	TS	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	29769-7	Test Case Fixed Data
OBX.3.2	Text	Date vaccine information statement presented	Changeable Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.4	**Observation Sub-ID**	4	Changeable Data
OBX.5-TS	**Date/Time of the Observation**		
OBX.5-TS.1	Time	20120816	Changeable Data
OBX.6	**Units**		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of the Coding System		
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.11	**Observation Result Status**	F	Test Case Fixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Time		
OBX.17	**Observation Method**		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of the Coding System		
OBX.17.4	Alternate Identifier		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		