

**MSH[1]**

Location	Data Element	Data	Categorization
MSH-1	Field Separator		
MSH-2	Encoding Characters	^~&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	NISTIISAPP	
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	NISTIISFAC	
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	NISTEHRAPP	
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	NISTEHRFAC	
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	NIST-IZ-QR-1.2_Response_K11_Z42	
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-22	Sending Responsible Organization		
MSH-22.1	Organization Name	NISTIISFAC	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	NIST-AA-1	
MSH-22.7	Identifier Type Code	XX	
MSH-22.10	Organization Identifier	100-3322	
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	NISTEHRFAC	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	NIST-AA-1	
MSH-23.7	Identifier Type Code	XX	
MSH-23.10	Organization Identifier	100-6482	

**MSA[1]**

Location	Data Element	Data	Categorization
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	NIST-IZ-QR-1.1_Query_Q11_Z44	

**QAK[1]**

Location	Data Element	Data	Categorization
QAK-1	Query Tag	IZ-1.1-2015	

QAK-2	Query Response Status	OK	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	
QAK-3.2	Text	Request Evaluated History and Forecast	
QAK-3.3	Name of Coding System	CDCPHINVS	

**QPD[1]**

Location	Data Element	Data	Categorization
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-2	Query Tag	IZ-1.1-2015	
QPD-3	PatientList		
QPD-3.1	ID Number	171122	
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	NIST-MPI-1	
QPD-3.5	Identifier Type Code	MR	
QPD-4	PatientName		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Fairchild	
QPD-4.2	Given Name	Cameron	
QPD-4.3	Second and Further Given Names or Initials Thereof	A	
QPD-4.7	Name Type Code	L	
QPD-5	PatientMotherMaidenName		
QPD-5.1	Family Name		
QPD-5.1.1	Surname	Fairlady	
QPD-5.7	Name Type Code	M	
QPD-6	PatientDateOfBirth		
QPD-6.1	Time	20090214	
QPD-7	Patient Sex	M	
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	105 Laurel Run Rd	
QPD-8.2	Other Designation		
QPD-8.3	City	Bozeman	
QPD-8.4	State or Province	MT	
QPD-8.5	Zip or Postal Code		
QPD-8.6	Country		
QPD-8.7	Address Type	P	
QPD-9	Phone		
QPD-9.2	Telecommunication Use Code		
QPD-9.3	Telecommunication Equipment Type		
QPD-10	Multiple birth indicator		
QPD-11	Birth order		

**PID[1]**

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	
PID-3[1]	Patient Identifier List		

PID-3[1].1	ID Number	171122	
PID-3[1].4	Assigning Authority		
PID-3[1].4.1	Namespace ID	NIST-MPI-1	
PID-3[1].5	Identifier Type Code	MR	
PID-3[2]	Patient Identifier List		
PID-3[2].1	ID Number	34500907	
PID-3[2].4	Assigning Authority		
PID-3[2].4.1	Namespace ID	NIST-IIS-MPI	
PID-3[2].5	Identifier Type Code	SR	
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Fairchild	
PID-5.2	Given Name	Cameron	
PID-5.3	Second and Further Given Names or Initials Thereof	A	
PID-5.7	Name Type Code	L	
PID-7	Date/Time of Birth		
PID-7.1	Time	20090214	
PID-8	Administrative Sex	M	
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	105 Laurel Run Rd	
PID-11.2	Other Designation		
PID-11.3	City	Bozeman	
PID-11.4	State or Province	MT	
PID-11.5	Zip or Postal Code		
PID-11.6	Country		
PID-11.7	Address Type	P	
PID-30	Patient Death Indicator		

#### IZ\_HISTORY\_FORECAST[1].ORC[1]

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197023	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier	NISTEHRFAC	
ORC-17.2	Text	NISTEHRFacility	
ORC-17.3	Name of Coding System	HL70362	

#### IZ\_HISTORY\_FORECAST[1].RXA[1]

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20090415	
RXA-5	Administered Code		
RXA-5.1	Identifier	45	
RXA-5.2	Text	Hep B Unspec	
RXA-5.3	Name of Coding System	CVX	

RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historical record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

**IZ\_HISTORY\_FORECAST[1].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[1].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[1].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		

OBX-14.1	Time	20151031	
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**IZ\_HISTORY\_FORECAST[2].ORC[1]**

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197027	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

**IZ\_HISTORY\_FORECAST[2].RXA[1]**

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20090314	
RXA-5	Administered Code		
RXA-5.1	Identifier	48	
RXA-5.2	Text	HIB PRP-T	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-10	Administering Provider		
RXA-10.1	ID Number	5111	
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		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	NIST-PI-1	
RXA-10.10	Name Type Code	L	
RXA-10.13	Identifier Type Code	PRN	
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	NIST-Clinic-1	
RXA-20	Completion Status	CP	

**IZ\_HISTORY\_FORECAST[2].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		

OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	HIB NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[2].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[2].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	N	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[2].OBSERVATION[4].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	ST	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30982-3	
OBX-3.2	Text	Reason applied	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Too Young	

OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].ORC[1]**

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

**IZ\_HISTORY\_FORECAST[3].RXA[1]**

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20091011	
RXA-5	Administered Code		
RXA-5.1	Identifier	110	
RXA-5.2	Text	DTAP-Hep B-IPV	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[4].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	10	
OBX-5.2	Text	IPV	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[5].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[6].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	dose validity	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[7].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	20	
OBX-5.2	Text	DTAP	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[8].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[3].OBSERVATION[9].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	3	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[4].ORC[1]**

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

**IZ\_HISTORY\_FORECAST[4].RXA[1]**

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20100411	
RXA-5	Administered Code		
RXA-5.1	Identifier	08	
RXA-5.2	Text	Hep BPEDS	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-10	Administering Provider		

RXA-10.1	ID Number	5111	
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		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	NIST-PI-1	
RXA-10.10	Name Type Code	L	
RXA-10.13	Identifier Type Code	PRN	
RXA-20	Completion Status	CP	

**IZ\_HISTORY\_FORECAST[4].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[4].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[4].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[5].ORC[1]**

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

**IZ\_HISTORY\_FORECAST[5].RXA[1]**

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20100415	
RXA-5	Administered Code		
RXA-5.1	Identifier	03	
RXA-5.2	Text	MMR	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

**IZ\_HISTORY\_FORECAST[5].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		

OBX-14.1	Time	20151031	
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**IZ\_HISTORY\_FORECAST[5].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[5].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].ORC[1]**

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	9999	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier	NISTEHRFAC	
ORC-17.2	Text	NISTEHRFacility	
ORC-17.3	Name of Coding System	HL70362	

**IZ\_HISTORY\_FORECAST[6].RXA[1]**

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		

RXA-3.1	Time	20091031	
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-6	Administered Amount	999	
RXA-20	Completion Status	NA	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[1].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[2].OBX[1]**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[3].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date vaccination due	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	20150214	
OBX-11	Observation Result Status	F	

OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[4].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	20100614	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[5].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	10	
OBX-5.2	Text	IPV	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[6].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule used	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[7].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	7	
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-4	Observation Sub-ID	2	
OBX-5	Observation Value	20100214	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[8].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	8	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	107	
OBX-5.2	Text	DTAP	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[9].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**IZ\_HISTORY\_FORECAST[6].OBSERVATION[10].OBX[1]**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value	20100214	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

Location	Data Element	Data	Categorization
MSH-1	Field Separator		
MSH-2	Encoding Characters	^~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	NISTIISAPP	
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	NISTIISFAC	
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	NISTEHRAPP	
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	NISTEHRFAC	
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	NIST-IZ-QR-1.2_Response_K11_Z42	
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-22	Sending Responsible Organization		
MSH-22.1	Organization Name	NISTIISFAC	
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	NIST-AA-1	
MSH-22.7	Identifier Type Code	XX	
MSH-22.10	Organization Identifier	100-3322	
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	NISTEHRFAC	
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	NIST-AA-1	
MSH-23.7	Identifier Type Code	XX	
MSH-23.10	Organization Identifier	100-6482	

Location	Data Element	Data	Categorization
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MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	NIST-IZ-QR-1.1_Query_Q11_Z44	

Location	Data Element	Data	Categorization
QAK-1	Query Tag	IZ-1.1-2015	
QAK-2	Query Response Status	OK	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	
QAK-3.2	Text	Request Evaluated History and Forecast	
QAK-3.3	Name of Coding System	CDCPHINVS	

Location	Data Element	Data	Categorization
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-2	Query Tag	IZ-1.1-2015	
QPD-3	PatientList		
QPD-3.1	ID Number	171122	
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	NIST-MPI-1	
QPD-3.5	Identifier Type Code	MR	
QPD-4	PatientName		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Fairchild	
QPD-4.2	Given Name	Cameron	
QPD-4.3	Second and Further Given Names or Initials Thereof	A	
QPD-4.7	Name Type Code	L	
QPD-5	PatientMotherMaidenName		
QPD-5.1	Family Name		
QPD-5.1.1	Surname	Fairlady	
QPD-5.7	Name Type Code	M	
QPD-6	PatientDateOfBirth		
QPD-6.1	Time	20090214	
QPD-7	Patient Sex	M	
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	105 Laurel Run Rd	
QPD-8.2	Other Designation		
QPD-8.3	City	Bozeman	
QPD-8.4	State or Province	MT	
QPD-8.5	Zip or Postal Code		
QPD-8.6	Country		
QPD-8.7	Address Type	P	
QPD-9	Phone		
QPD-9.2	Telecommunication Use Code		
QPD-9.3	Telecommunication Equipment Type		
QPD-10	Multiple birth indicator		
QPD-11	Birth order		

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	
PID-3[1]	Patient Identifier List		
PID-3[1].1	ID Number	171122	
PID-3[1].4	Assigning Authority		
PID-3[1].4.1	Namespace ID	NIST-MPI-1	
PID-3[1].5	Identifier Type Code	MR	
PID-3[2]	Patient Identifier List		
PID-3[2].1	ID Number	34500907	
PID-3[2].4	Assigning Authority		
PID-3[2].4.1	Namespace ID	NIST-IIS-MPI	
PID-3[2].5	Identifier Type Code	SR	
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Fairchild	
PID-5.2	Given Name	Cameron	
PID-5.3	Second and Further Given Names or Initials Thereof	A	
PID-5.7	Name Type Code	L	
PID-7	Date/Time of Birth		
PID-7.1	Time	20090214	
PID-8	Administrative Sex	M	
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	105 Laurel Run Rd	
PID-11.2	Other Designation		
PID-11.3	City	Bozeman	
PID-11.4	State or Province	MT	
PID-11.5	Zip or Postal Code		
PID-11.6	Country		
PID-11.7	Address Type	P	
PID-30	Patient Death Indicator		

#### ORC - 1

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197023	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier	NISTEHRFAC	
ORC-17.2	Text	NISTEHRFacility	
ORC-17.3	Name of Coding System	HL70362	

#### ORC - 2

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197027	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		

ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

#### ORC - 3

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

#### ORC - 4

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

#### ORC - 5

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197028	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier		
ORC-17.2	Text		
ORC-17.3	Name of Coding System		

#### ORC - 6

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	9999	
ORC-3.2	Namespace ID	NIST-AA-IZ-2	
ORC-17	Entering Organization		
ORC-17.1	Identifier	NISTEHRFAC	

ORC-17.2	Text	NISTEHRFacility	
ORC-17.3	Name of Coding System	HL70362	

#### RXA - 1

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20090415	
RXA-5	Administered Code		
RXA-5.1	Identifier	45	
RXA-5.2	Text	Hep B Unspec	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historical record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

#### RXA - 2

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20090314	
RXA-5	Administered Code		
RXA-5.1	Identifier	48	
RXA-5.2	Text	HIB PRP-T	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-10	Administering Provider		
RXA-10.1	ID Number	5111	
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		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	NIST-PI-1	
RXA-10.10	Name Type Code	L	
RXA-10.13	Identifier Type Code	PRN	
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	NIST-Clinic-1	
RXA-20	Completion Status	CP	

#### RXA - 3

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20091011	
RXA-5	Administered Code		
RXA-5.1	Identifier	110	
RXA-5.2	Text	DTAP-Hep B-IPV	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

#### RXA - 4

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20100411	
RXA-5	Administered Code		
RXA-5.1	Identifier	08	
RXA-5.2	Text	Hep BPEDS	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-10	Administering Provider		
RXA-10.1	ID Number	5111	
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		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	NIST-PI-1	
RXA-10.10	Name Type Code	L	
RXA-10.13	Identifier Type Code	PRN	
RXA-20	Completion Status	CP	

#### RXA - 5

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20100415	

RXA-5	Administered Code		
RXA-5.1	Identifier	03	
RXA-5.2	Text	MMR	
RXA-5.3	Name of Coding System	CVX	
RXA-6	Administered Amount	999	
RXA-9	Administration Notes		
RXA-9.1	Identifier	01	
RXA-9.2	Text	historic immunization record	
RXA-9.3	Name of Coding System	NIP001	
RXA-20	Completion Status	CP	

#### RXA - 6

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20091031	
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-6	Administered Amount	999	
RXA-20	Completion Status	NA	

#### OBX - 1

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 2

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	

OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 3

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 4

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	17	
OBX-5.2	Text	HIB NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 5

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	



OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 6**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	N	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 7**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
OBX-2	Value Type	ST	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30982-3	
OBX-3.2	Text	Reason applied	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	Too Young	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 8**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

**OBX - 9**

Location	Data Element	Data	Categorization
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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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 10

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 11

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	10	
OBX-5.2	Text	IPV	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

#### OBX - 12

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 13

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	ID	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59781-5	
OBX-3.2	Text	dose validity	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 14

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	7	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	20	
OBX-5.2	Text	DTAP	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time		

#### OBX - 15

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		

OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 16**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	3	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 17**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	45	
OBX-5.2	Text	Hep B NOS	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 18**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	

OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 19**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 20**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 21**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 22**

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	Y	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 23

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	03	
OBX-5.2	Text	MMR	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 24

Location	Data Element	Data	Categorization
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-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

#### OBX - 25

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	DT	
OBX-3	Observation Identifier		

OBX-3.1	Identifier	30980-7	
OBX-3.2	Text	Date vaccination due	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value	20150214	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 26**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
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-4	Observation Sub-ID	1	
OBX-5	Observation Value	20100614	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 27**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	5	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30956-7	
OBX-3.2	Text	vaccine type	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	10	
OBX-5.2	Text	IPV	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 28**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	6	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	59779-9	
OBX-3.2	Text	Immunization Schedule used	
OBX-3.3	Name of Coding System	LN	
OBX-4	Observation Sub-ID	2	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	

OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 29**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	7	
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-4	Observation Sub-ID	2	
OBX-5	Observation Value	20100214	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 30**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	8	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	107	
OBX-5.2	Text	DTAP	
OBX-5.3	Name of Coding System	CVX	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	

**OBX - 31**

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	9	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value		
OBX-5.1	Identifier	VXC16	
OBX-5.2	Text	ACIP	
OBX-5.3	Name of Coding System	CDCPHINVS	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	



## OBX - 32

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	10	
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-4	Observation Sub-ID	3	
OBX-5	Observation Value	20100214	
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20151031	