MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	Value-Profile Fixed
MSH-2	Encoding Characters	^~\&	Value-Profile Fixed
MSH-3	Sending Application		
MSH-3.1	Namespace ID	NISTEHRAPP	Presence-Configuration
MSH-3.2	Universal ID	2.16.840.1.113883.3.72.5.40.1	Presence-Test Case Proper
MSH-3.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	NISTEHRFAC	Presence-Configuration
MSH-4.2	Universal ID	2.16.840.1.113883.3.72.5.40.2	Presence-Test Case Proper
MSH-4.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	NISTIISAPP	Presence-Configuration
MSH-5.2	Universal ID	2.16.840.1.113883.3.72.5.40.3	Presence-Test Case Proper
MSH-5.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	NISTIISFAC	Presence-Configuration
MSH-6.2	Universal ID	2.16.840.1.113883.3.72.5.40.4	Presence-Test Case Proper
MSH-6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20150625103328.757-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	Value-Profile Fixed
MSH-9.2	Trigger Event	V04	Value-Profile Fixed
MSH-9.3	Message Structure	VXU_V04	Value-Profile Fixed
MSH-10	Message Control ID	NIST-IZ-AD-8.1_Send_V04_Z22	Presence-System Generated
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	Presence-Content Indifferent
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	Value-Profile Fixed
MSH-15	Accept Acknowledgment Type	ER	Value-Profile Fixed
	Application		

Location	Data Element	Data	Categorization
MSH-16	Acknowledgment Type	AL	Value-Profile Fixed
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	Value-Profile Fixed
MSH-21.2	Namespace ID	CDCPHINVS	Value-Profile Fixed
MSH-21.3	Universal ID		Indifferent
MSH-21.4	Universal ID Type		Indifferent
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	NISTEHRFAC	Presence-Configuration
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	NIST-AA-IZ-1	Presence-Configuration
MSH-22.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.9	Presence-Test Case Proper
MSH-22.6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-22.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-22.10	Organization Identifier	100-6482	Presence-Configuration
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	NISTIISFAC	Presence-Configuration
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	NIST-AA-IZ-1	Presence-Configuration
MSH-23.6.2	Universal ID	2.16.840.1.113883.3.72.5.40.9	Presence-Test Case Proper
MSH-23.6.3	Universal ID Type	ISO	Value-Profile Fixed
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	100-3322	Presence-Configuration

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	77100	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	NIST-MPI-1	Presence-Content Indifferent
			Presence-Test Case

PID-3.4.2	Universal ID	2.16.840.1.113883.3.72	Proper
PID-3.4.3	Universal ID Type	ISO	Value-Profile Fixed
PID-3.5	Identifier Type Code	MR	Value-Test Case Fixed
PID-5	**Patient Name**		
PID-5.1	Family Name		
PID-5.1.1	Surname	Broadway	Presence-Content Indifferent
PID-5.2	Given Name	Ashley	Presence-Content Indifferent
PID-5.3	Second and Further Given Names or Initials Thereof	Jennifer	Presence-Content Indifferent
PID-5.7	Name Type Code	L	Value-Test Case Fixed
PID-6	**Mother's Maiden Name**		
PID-6.1	Family Name		
PID-6.1.1	Surname	Layton	Presence-Content Indifferent
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	**Date/Time of Birth**		
PID-7.1	Time	20150516	Presence-Content Indifferent
PID-8	**Administrative Sex**	**F**	**Value-Test Case Fixed**
PID-10	**Race**		
PID-10.1	Identifier	2054-5	Value-Test Case Fixed
PID-10.2	Text	African American	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-11	**Patient Address**		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	901 North 12th St	Presence-Content Indifferent
PID-11.2	Other Designation		Indifferent
PID-11.3	City	Bozeman	Presence-Content Indifferent
PID-11.4	State or Province	MT	Presence-Content Indifferent
PID-11.5	Zip or Postal Code	59715	Presence-Content Indifferent
PID-11.6	Country	USA	Presence-Content Indifferent
PID-11.7	Address Type	P	Value-Test Case Fixed
PID-13	**Phone Number - Home**		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed

Location	Data Element	Data	Categorization
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
PID-13.4	Email Address		NonPresence
PID-13.6	Area/City Code	406	Presence-Content Indifferent
PID-13.7	Local Number	5552262	Presence-Content Indifferent
PID-22	Ethnic Group		
PID-22.1	Identifier	2186-5	Value-Test Case Fixed
PID-22.2	Text	Not Hispanic or Latino	Presence-Test Case Proper
PID-22.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-24	Multiple Birth Indicator	N	Value-Test Case Fixed
PID-25	Birth Order	1	Indifferent
PID-29	Patient Death Date and Time		
PID-29.1	Time		NonPresence
PID-30	Patient Death Indicator	N	Value-Test Case Fixed

PD1 : Patient Additional Demographic

Location	Data Element	Data	Categorization
PD1-11	Publicity Code		
PD1-11.1	Identifier	03	Value-Test Case Fixed
PD1-11.2	Text	Reminder/recall - no calls	Presence-Test Case Proper
PD1-11.3	Name of Coding System	HL70215	Value-Profile Fixed
PD1-12	Protection Indicator	N	Value-Test Case Fixed
PD1-13	Protection Indicator Effective Date	20150625	Presence-Content Indifferent
PD1-16	Immunization Registry Status	A	Value-Test Case Fixed
PD1-17	Immunization Registry Status Effective Date	20150516	Presence-Content Indifferent
PD1-18	Publicity Code Effective Date	20150625	Presence-Content Indifferent

NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	1	Value-Profile Fixed
NK1-2	Name		
NK1-2.1	Family Name		
			Presence-Content

NK1-2.1.1	Surname	Broadway	Indifferent
NK1-2.2	Given Name	Ellen	Presence-Content Indifferent
NK1-2.3	Second and Further Given Names or Initials Thereof		Indifferent
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Test Case Proper
NK1-3.3	Name of Coding System	HL70063	Value-Profile Fixed
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	901 North 12th St	Presence-Content Indifferent
NK1-4.2	Other Designation		Indifferent
NK1-4.3	City	Bozeman	Presence-Content Indifferent
NK1-4.4	State or Province	MT	Presence-Content Indifferent
NK1-4.5	Zip or Postal Code	59715	Presence-Content Indifferent
NK1-4.6	Country	USA	Presence-Content Indifferent
NK1-4.7	Address Type	P	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
NK1-5.4	Email Address		Indifferent
NK1-5.6	Area/City Code	406	Presence-Content Indifferent
NK1-5.7	Local Number	5552262	Presence-Content Indifferent

ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	Value-Profile Fixed
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier	3881	Presence-Content Indifferent
ORC-2.2	Namespace ID	NIST-AA-IZ-2	Presence-Content Indifferent
			Presence-Test Case

ORC-2.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Value Proper
ORC-2.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	13926	Presence-Content Indifferent
ORC-3.2	Namespace ID	NIST-AA-IZ-2	Presence-Content Indifferent
ORC-3.3	Universal ID	2.16.840.1.113883.3.72.5.40.10	Presence-Test Case Proper
ORC-3.4	Universal ID Type	ISO	Value-Profile Fixed
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Jackson	Presence-Content Indifferent
ORC-10.3	Given Name	Lily	Presence-Content Indifferent
ORC-10.4	Second and Further Given Names or Initials Thereof	Suzanne	Presence-Content Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	NIST-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-10.10	Name Type Code	L	Value-Test Case Fixed
ORC-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
ORC-12	Ordering Provider		
ORC-12.1	ID Number	654	Presence-Content Indifferent
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Thomas	Presence-Content Indifferent
ORC-12.3	Given Name	Wilma	Presence-Content Indifferent
ORC-12.4	Second and Further Given Names or Initials Thereof	Elizabeth	Presence-Content Indifferent
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	NIST-PI-1	Presence-Content Indifferent
ORC-12.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
ORC-12.9.3	Universal ID Type	ISO	Value-Profile Fixed
ORC-12.10	Name Type Code	L	Value-Test Case Fixed

Location	Data Element	Data	Categorization
ORC-12.13	Identifier Type Code	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	NISTEHRFAC	Presence-Content Indifferent
ORC-17.2	Text	NISTEHRFacility	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Profile Fixed

RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	Value-Profile Fixed
RXA-2	Administration Sub-ID Counter	1	Value-Profile Fixed
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20150625	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0820-01	Value-Test Case Fixed
RXA-5.2	Text	ENGERIX-B	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-6	Administered Amount	0.5	Presence-Test Case Proper
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New Record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Jackson	Presence-Content Indifferent
RXA-10.3	Given Name	Lily	Presence-Content Indifferent

Location	Data Element	Data	Categorization
RXA-10.4	Second and Further Given Names or Initials Thereof	Suzanne	Presence-Content Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	NIST-PI-1	Presence-Content Indifferent
RXA-10.9.2	Universal ID	2.16.840.1.113883.3.72.5.40.7	Presence-Test Case Proper
RXA-10.9.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-10.10	Name Type Code	L	Value-Test Case Fixed
RXA-10.13	Identifier Type Code	PRN	Value-Test Case Fixed
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	NIST-Clinic-1	Presence-Content Indifferent
RXA-11.4.2	Universal ID	2.16.840.1.113883.3.72.5.40.12	Presence-Test Case Proper
RXA-11.4.3	Universal ID Type	ISO	Value-Profile Fixed
RXA-15	Substance Lot Number	797397	Presence-Content Indifferent
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20151203	Presence-Content Indifferent
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline	Presence-Test Case Proper
RXA-17.3	Name of Coding System	MVX	Value-Profile Fixed
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		NonPresence
RXA-18.2	Text		NonPresence
RXA-18.3	Name of Coding System		NonPresence
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
			Presence-Test Case

Location	Data Element	Data	Categorization
RXR-1.2	Text	Intramuscular	Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-2	Administration Site		
RXR-2.1	Identifier	LT	Value-Test Case Fixed
RXR-2.2	Text	Left Thigh	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	30963-3	Value-Test Case Fixed
OBX-3.2	Text	Vaccine Funding Source	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-4	Observation Sub-ID	1	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	PHC70	Value-Test Case Fixed
OBX-5.2	Text	Private	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20150625	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		Indifferent
OBX-17.2	Text		Indifferent

Location	Data Element	Data	Categorization
OBX-17.3	Name of Coding System		Indifferent

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	Value-Profile Fixed
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	Vaccine Funding Program Eligibility	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-4	Observation Sub-ID	2	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	V01	Value-Test Case Fixed
OBX-5.2	Text	Not VFC Eligible	Presence-Test Case Proper
OBX-5.3	Name of Coding System	HL70064	Value-Profile Fixed
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20150625	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	Value-Test Case Fixed
OBX-17.2	Text	per immunization	Presence-Test Case Proper
OBX-17.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	Value-Profile Fixed

Location	Data Element	Data	Categorization
OBX-2	Value Type	CE	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	69764-9	Value-Test Case Fixed
OBX-3.2	Text	Document Type	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300005911120202	Value-Test Case Fixed
OBX-5.2	Text	Hepatitis B VIS	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdcgs1vis	Value-Profile Fixed
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20150625	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		Indifferent
OBX-17.2	Text		Indifferent
OBX-17.3	Name of Coding System		Indifferent

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	Value-Profile Fixed
OBX-2	Value Type	DT	Value-Test Case Fixed
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	Date Vis Presented	Presence-Test Case Proper
	Name of Coding		

OBX-3.3	System	LN	Value-Profile Fixed
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20150625	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		NonPresence
OBX-6.2	Text		NonPresence
OBX-6.3	Name of Coding System		NonPresence
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20150625	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		Indifferent
OBX-17.2	Text		Indifferent
OBX-17.3	Name of Coding System		Indifferent