MSH : Message Header

Location	Data Element	Data	Categorization
MSH-1	Field Separator	|	
MSH-2	Encoding Characters	^~\&	
MSH-3	Sending Application		
MSH-3.1	Namespace ID	Test EHR Application	
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	X68	
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID		
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	NIST Test Iz Reg	
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20120701082240-0500	
MSH-9	Message Type		
MSH-9.1	Message Code	VXU	
MSH-9.2	Trigger Event	V04	
MSH-9.3	Message Structure	VXU_V04	
MSH-10	Message Control ID	NIST-IZ-001.00	
MSH-11	Processing ID		
MSH-11.1	Processing ID	P	
MSH-12	Version ID		
MSH-12.1	Version ID	2.5.1	
MSH-15	Accept Acknowledgment Type	ER	
MSH-16	Application Acknowledgment Type	AL	
MSH-21	Message Profile Identifier		
MSH-21.1	Entity Identifier	Z22	
MSH-21.2	Namespace ID	CDCPHINVS	
MSH-21.3	Universal ID		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	IIPEHRFAC	Presence-Content Indifferent

Location	Data Element	Data	Categorization
MSH-22.6	Assigning Authority		
MSH-22.6.1	Namespace ID	IIP-AA-IZ-1	Presence-Content Indifferent
MSH-22.6.2	Universal ID		
MSH-22.6.3	Universal ID Type		
MSH-22.7	Identifier Type Code	XX	Presence-Content Indifferent
MSH-22.10	Organization Identifier	100-1	Presence-Content Indifferent
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	IIPIISFAC	Presence-Content Indifferent
MSH-23.6	Assigning Authority		
MSH-23.6.1	Namespace ID	IIP-AA-IZ-1	Presence-Content Indifferent
MSH-23.6.2	Universal ID		
MSH-23.6.3	Universal ID Type		
MSH-23.7	Identifier Type Code	XX	Presence-Content Indifferent
MSH-23.10	Organization Identifier	100-2	Presence-Content Indifferent

PID : Patient Identification

Location	Data Element	Data	Categorization
PID-1	Set ID - PID	1	
PID-3[1]	Patient Identifier List		
PID-3[1].1	ID Number	123456	
PID-3[1].4	Assigning Authority		
PID-3[1].4.1	Namespace ID	MYEHR	
PID-3[1].4.2	Universal ID		
PID-3[1].4.3	Universal ID Type		
PID-3[1].5	Identifier Type Code	MR	
PID-3[2]	Patient Identifier List		
PID-3[2].1	ID Number	987633	
PID-3[2].4	Assigning Authority		
PID-3[2].4.1	Namespace ID	MYIIS	
PID-3[2].4.2	Universal ID		
PID-3[2].4.3	Universal ID Type		
PID-3[2].5	Identifier Type Code	SR	
PID-5	Patient Name		
PID-5.1	Family Name		
PID-5.1.1	Surname	Gonzales	Value-Test Case Fixed
PID-5.2	Given Name	Juana	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or	Maria	Value-Test Case Fixed

	Initials Thereof		
PID-5.7	Name Type Code	L	
PID-6	Mother's Maiden Name		
PID-6.1	Family Name		
PID-6.1.1	Surname	Morales	
PID-6.7	Name Type Code	M	
PID-7	Date/Time of Birth		
PID-7.1	Time	201610011115	Value-Test Case Fixed
PID-8	Administrative Sex	F	Value-Test Case Fixed
PID-10	Race		
PID-10.1	Identifier	2106-3	Value-Test Case Fixed
PID-10.2	Text	White	Presence-Content Indifferent
PID-10.3	Name of Coding System	CDCREC	Value-Test Case Fixed
PID-11[1]	Patient Address		
PID-11[1].1	Street Address		
PID-11[1].1.1	Street or Mailing Address	3321 Standish Way	Value-Test Case Fixed
PID-11[1].2	Other Designation		
PID-11[1].3	City	Stamford	Value-Test Case Fixed
PID-11[1].4	State or Province	CT	Value-Test Case Fixed
PID-11[1].5	Zip or Postal Code	06903	Value-Test Case Fixed
PID-11[1].6	Country	USA	Value-Test Case Fixed
PID-11[1].7	Address Type	L	Value-Test Case Fixed
PID-11[2]	Patient Address		
PID-11[2].1	Street Address		
PID-11[2].1.1	Street or Mailing Address	325 Shorline Drive	
PID-11[2].2	Other Designation		
PID-11[2].3	City	Stamford	
PID-11[2].4	State or Province	CT	
PID-11[2].5	Zip or Postal Code	06901	
PID-11[2].6	Country		
PID-11[2].7	Address Type	BDL	
PID-13	Phone Number - Home		
PID-13.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
PID-13.4	Email Address		
PID-13.6	Area/City Code	203	Value-Test Case Fixed
PID-13.7	Local Number	5551214	Value-Test Case Fixed
PID-22	Ethnic Group		
PID-22.1	Identifier	2135-2	Value-Test Case Fixed
			Presence-Content

Location	Data Element	Data	Categorization
PID-22.2	Text	Hispanic or Latino	Indifferent
PID-22.3	Name of Coding System	CDCREC	Value-Test Case Fixed
PID-24	Multiple Birth Indicator	Y	Value-Test Case Fixed
PID-25	Birth Order	2	
PID-29	Patient Death Date and Time		
PID-29.1	Time		
PID-30	Patient Death Indicator		

PD1 : Patient Additional Demographic

Location	Data Element	Data	Categorization
PD1-11	Publicity Code		
PD1-11.1	Identifier	02	Value-Test Case Fixed
PD1-11.2	Text	Reminder/Recall - any method	Presence-Content Indifferent
PD1-11.3	Name of Coding System	HL70215	Value-Test Case Fixed
PD1-12	Protection Indicator	Y	Value-Test Case Fixed
PD1-13	Protection Indicator Effective Date		
PD1-16	Immunization Registry Status	A	Value-Test Case Fixed
PD1-17	Immunization Registry Status Effective Date	20161001	Presence-Content Indifferent
PD1-18	Publicity Code Effective Date	20161001	Presence-Content Indifferent

NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
NK1-1	Set ID - NK1	1	
NK1-2	Name		
NK1-2.1	Family Name		
NK1-2.1.1	Surname	Gonzales	Value-Test Case Fixed
NK1-2.2	Given Name	Joanna	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Elena	Value-Test Case Fixed
NK1-2.7	Name Type Code	L	Value-Test Case Fixed
NK1-3	Relationship		
NK1-3.1	Identifier	MTH	Value-Test Case Fixed
NK1-3.2	Text	Mother	Presence-Configuration
NK1-3.3	Name of Coding System	HL70063	Value-Test Case Fixed
NK1-4	Address		

Location	Data Element	Data	Categorization
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	4345 Standish Way	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Stamford	Value-Test Case Fixed
NK1-4.4	State or Province	CT	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	06901	Value-Test Case Fixed
NK1-4.6	Country		
NK1-4.7	Address Type	L	Value-Test Case Fixed
NK1-5	Phone Number		
NK1-5.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
NK1-5.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
NK1-5.4	Email Address		
NK1-5.6	Area/City Code	203	Value-Test Case Fixed
NK1-5.7	Local Number	5551212	Value-Test Case Fixed

ORC[*]

ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197027	
ORC-3.2	Namespace ID	DCS	
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	Sirtis	Value-Test Case Fixed
ORC-10.3	Given Name	Lisa	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof		
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		

Location	Data Element	Data	Categorization
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Carter	Value-Test Case Fixed
ORC-12.3	Given Name	Jane	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	Value-Test Case Fixed
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	SH	Presence-Content Indifferent
ORC-17.2	Text	Shoreline Hospital	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed

ORC : Common Order

Location	Data Element	Data	Categorization
ORC-1	Order Control	RE	
ORC-2	Placer Order Number		
ORC-2.1	Entity Identifier		
ORC-2.2	Namespace ID		
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	197027	
ORC-3.2	Namespace ID	DCS	
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	Sirtis	Value-Test Case Fixed
ORC-10.3	Given Name	Lisa	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof		

Location	Data Element	Data	Categorization
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID		
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
ORC-10.10	Name Type Code		
ORC-10.13	Identifier Type Code		
ORC-12	Ordering Provider		
ORC-12.1	ID Number		
ORC-12.2	Family Name		
ORC-12.2.1	Surname	Carter	Value-Test Case Fixed
ORC-12.3	Given Name	Jane	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof		
ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID		
ORC-12.9.2	Universal ID		
ORC-12.9.3	Universal ID Type		
ORC-12.10	Name Type Code	L	
ORC-12.13	Identifier Type Code		
ORC-17	Entering Organization		
ORC-17.1	Identifier	SH	Presence-Content Indifferent
ORC-17.2	Text	Shoreline Hospital	Value-Test Case Fixed
ORC-17.3	Name of Coding System	HL70362	Value-Test Case Fixed

RXA[*]

RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20161001	Value-Test Case Fixed
RXA-5	Administered Code		
RXA-5.1	Identifier	08	Value-Test Case Fixed
RXA-5.2	Text	Hepatitis B	Presence-Content Indifferent
RXA-5.3	Name of Coding System	CVX	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed

RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text		
RXA-7.3	Name of Coding System	UCUM	Value-Test Case Fixed
RXA-9	Administration Notes		
RXA-9.1	Identifier	08	Presence-Content Indifferent
RXA-9.2	Text		
RXA-9.3	Name of Coding System	NIP001	Presence-Configuration
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Pike	Value-Test Case Fixed
RXA-10.3	Given Name	Susan	Value-Test Case Fixed
RXA-10.4	Second and Further Given Names or Initials Thereof		
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID		
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	DCS_DC	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	6332FL432	
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20161214	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline Biologicals SA	Presence-Content Indifferent
RXA-17.3	Name of Coding System	MVX	Value-Test Case Fixed
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		

Location	Data Element	Data	Categorization
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

RXA : Pharmacy/Treatment Administration

Location	Data Element	Data	Categorization
RXA-1	Give Sub-ID Counter	0	
RXA-2	Administration Sub-ID Counter	1	
RXA-3	Date/Time Start of Administration		
RXA-3.1	Time	20161031	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0811-52	Value-Test Case Fixed
RXA-5.2	Text	Pediarix	Presence-Content Indifferent
RXA-5.3	Name of Coding System	NDC	Value-Test Case Fixed
RXA-6	Administered Amount	0.5	Value-Test Case Fixed
RXA-7	Administered Units		
RXA-7.1	Identifier	mL	Value-Test Case Fixed
RXA-7.2	Text		
RXA-7.3	Name of Coding System	UCUM	Value-Test Case Fixed
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Content Indifferent
RXA-9.3	Name of Coding System	NIP001	Value-Test Case Fixed
RXA-10	Administering Provider		
RXA-10.1	ID Number		
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Molina	Value-Test Case Fixed
RXA-10.3	Given Name	Sandra	Value-Test Case Fixed
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		

Location	Data Element	Data	Categorization
RXA-10.10	Name Type Code		
RXA-10.13	Identifier Type Code		
RXA-11	Administered-at Location		
RXA-11.4	Facility		
RXA-11.4.1	Namespace ID	DCS_DC	
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	6559FK32	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20171031	Value-Test Case Fixed
RXA-17	Substance Manufacturer Name		
RXA-17.1	Identifier	SKB	Value-Test Case Fixed
RXA-17.2	Text	GlaxoSmithKline Biologicals SA	Presence-Content Indifferent
RXA-17.3	Name of Coding System	MVX	Value-Test Case Fixed
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-20	Completion Status	CP	Value-Test Case Fixed
RXA-21	Action Code - RXA	A	Value-Test Case Fixed

RXR[*]

RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	IM	Presence-Content Indifferent
RXR-1.3	Name of Coding System	NCIT	Value-Test Case Fixed
RXR-2	Administration Site		
RXR-2.1	Identifier	LT	Value-Test Case Fixed
RXR-2.2	Text	Left Thigh	Presence-Content Indifferent
RXR-2.3	Name of Coding System	HL70163	Value-Test Case Fixed

RXR : Pharmacy/Treatment Route

RXR : Pharmacy/Treatment Route

Location	Data Element	Data	Categorization
RXR-1	Route		
RXR-1.1	Identifier	C28161	Value-Test Case Fixed
RXR-1.2	Text	IM	Presence-Content Indifferent
RXR-1.3	Name of Coding System	NCIT	Value-Test Case Fixed
RXR-2	Administration Site		
RXR-2.1	Identifier	LT	Value-Test Case Fixed
RXR-2.2	Text	Left Thigh	Presence-Content Indifferent
RXR-2.3	Name of Coding System	HL70163	Value-Test Case Fixed

OBX[*]

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	1	
OBX-2	Value Type	TS	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29768-9	Value-Test Case Fixed
OBX-3.2	Text	VIS Publication Date	Presence-Content Indifferent
OBX-3.3	Name of Coding System	LN	Value-Test Case Fixed
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Time	20161031	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-11	Observation Result Status	F	Value-Test Case Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20161031	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	2	
OBX-2	Value Type	TS	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	29769-7	Value-Test Case Fixed
OBX-3.2	Text	VIS Presentation Date	Presence-Content Indifferent
OBX-3.3	Name of Coding System	LN	Value-Test Case Fixed
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-5.1	Time	20161031	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20161031	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	3	
OBX-2	Value Type	CE	
OBX-3	Observation Identifier		
OBX-3.1	Identifier	64994-7	Value-Test Case Fixed
OBX-3.2	Text	vaccine fund pgm elig cat	Presence-Content Indifferent
OBX-3.3	Name of Coding System	LN	Value-Test Case Fixed
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-6	Units		

Location	Data Element	Data	Categorization
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-11	Observation Result Status	F	
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20161031	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		

OBX : Observation/Result

Location	Data Element	Data	Categorization
OBX-1	Set ID - OBX	4	
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-Content Indifferent
OBX-3.3	Name of Coding System	LN	Value-Test Case Fixed
OBX-4	Observation Sub-ID	1	
OBX-5	Observation Value		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-11	Observation Result Status	F	Value-Test Case Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20161031	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		