

# MSH : Message Header

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

Location	Data Element Name	Data	Categorization
MSH.22.6	Assigning Authority		
MSH.22.6.1	Namespace ID		
MSH.22.6.2	Universal ID		
MSH.22.6.3	Universal ID Type		
MSH.22.7	Identifier Type Code		
MSH.22.10	Organization Identifier		
<b>MSH.23</b>	<b>Receiving Responsible Organization</b>		
MSH.23.1	Organization Name	IIS	
MSH.23.6	Assigning Authority		
MSH.23.6.1	Namespace ID		
MSH.23.6.2	Universal ID		
MSH.23.6.3	Universal ID Type		
MSH.23.7	Identifier Type Code		
MSH.23.10	Organization Identifier		

#### PID : Patient Identification

Location	Data Element Name	Data	Categorization
<b>PID.1</b>	<b>Set ID - PID</b>	1	
<b>PID.3</b>	<b>Patient Identifier List</b>		
PID.3.1	ID Number	8891	
PID.3.3	Check Digit Scheme		
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	wcEHR	
PID.3.4.2	Universal ID		
PID.3.4.3	Universal ID Type		
PID.3.5	Identifier Type Code	MR	
<b>PID.5</b>	<b>Patient Name</b>		
PID.5.1	Family Name		
PID.5.1.1	Surname	Banks	
PID.5.2	Given Name	Tyler	
PID.5.3	Second and Further Given Names or Initials Thereof	Owen	
PID.5.7	Name Type Code	L	
<b>PID.6</b>	<b>Mother's Maiden Name</b>		
PID.6.1	Family Name		
PID.6.1.1	Surname		
PID.6.2	Given Name		

PID.6	Location	Data Element	Data	Categorization
<b>PID.7</b>	<b>Date/Time of Birth</b>			
PID.7.1	Time	20040602		
<b>PID.8</b>	<b>Administrative Sex</b>	M		
<b>PID.10</b>	<b>Race</b>			
PID.10.1	Identifier	2106-3		
PID.10.2	Text	White		
PID.10.3	Name of Coding System	CDCREC		
PID.10.5	Alternate Text			
PID.10.6	Name of Alternate Coding System			
<b>PID.11</b>	<b>Patient Address</b>			
PID.11.1	Street Address			
PID.11.1.1	Street or Mailing Address	924 Sycamore Lane		
PID.11.2	Other Designation			
PID.11.3	City	Bozeman		
PID.11.4	State or Province	MT		
PID.11.5	Zip or Postal Code	59715		
PID.11.6	Country	USA		
PID.11.7	Address Type	P		
<b>PID.13</b>	<b>Phone Number - Home</b>			
PID.13.2	Telecommunication Use Code	PRN		
PID.13.3	Telecommunication Equipment Type	PH		
PID.13.4	Email Address			
PID.13.6	Area/City Code	406		
PID.13.7	Local Number	5555835		
<b>PID.22</b>	<b>Ethnic Group</b>			
PID.22.1	Identifier	2186-5		
PID.22.2	Text	Not Hispanic or Latino		
PID.22.3	Name of Coding System	CDCREC		
PID.22.5	Alternate Text			
PID.22.6	Name of Alternate Coding System			
<b>PID.24</b>	<b>Multiple Birth Indicator</b>	N		
<b>PID.25</b>	<b>Birth Order</b>	1		
<b>PID.29</b>	<b>Patient Death Date and Time</b>			
PID.29.1	Time			
<b>PID.30</b>	<b>Patient Death Indicator</b>	N		

PD1 : Patient Additional Demographic

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

NK1 : Next of Kin / Associated Parties

Location	Data Element	Data	Categorization
<b>NK1.1</b>	<b>Set ID - NK1</b>	1	
<b>NK1.2</b>	<b>Name</b>		
NK1.2.1	Family Name		
NK1.2.1.1	Surname	Banks	
NK1.2.2	Given Name	Karl	
NK1.2.3	Second and Further Given Names or Initials Thereof	Leonard	
NK1.2.7	Name Type Code	L	
<b>NK1.3</b>	<b>Relationship</b>		
NK1.3.1	Identifier	FTH	
NK1.3.2	Text	Father	
NK1.3.3	Name of Coding System	HL70063	
NK1.3.5	Alternate Text		
NK1.3.6	Name of Alternate Coding System		
<b>NK1.4</b>	<b>Address</b>		
NK1.4.1	Street Address		
NK1.4.1.1	Street or Mailing Address	924 Sycamore Lane	
NK1.4.2	Other Designation		

<b>NK1.4 Location</b>	<b>Data Elementmt</b>	<b>Bozeman Data</b>	<b>Categrization</b>
NK1.4.4	State or Province	MT	
NK1.4.5	Zip or Postal Code	59715	
NK1.4.6	Country	USA	
NK1.4.7	Address Type	P	
<b>NK1.5</b>	<b>Phone Number</b>		
NK1.5.2	Telecommunication Use Code	PRN	
NK1.5.3	Telecommunication Equipment Type	PH	
NK1.5.4	Email Address		
NK1.5.6	Area/City Code	406	
NK1.5.7	Local Number	5555835	

#### ORC : Common Order

<b>Location</b>	<b>Data Elementmt</b>	<b>Data</b>	<b>Categrization</b>
<b>ORC.1</b>	<b>Order Control</b>	RE	
<b>ORC.2</b>	<b>Placer Order Number</b>		
ORC.2.1	Entity Identifier	5027	
ORC.2.2	Namespace ID	wcEHR	
ORC.2.3	Universal ID		
ORC.2.4	Universal ID Type		
<b>ORC.3</b>	<b>Filler Order Number</b>		
ORC.3.1	Entity Identifier	12128	
ORC.3.2	Namespace ID	wcEHR	
ORC.3.3	Universal ID		
ORC.3.4	Universal ID Type		
<b>ORC.10</b>	<b>Entered By</b>		
ORC.10.1	ID Number	7824	
ORC.10.2	Family Name		
ORC.10.2.1	Surname	Jackson	
ORC.10.3	Given Name	Lily	
ORC.10.4	Second and Further Given Names or Initials Thereof	Suzanne	
ORC.10.9	Assigning Authority		
ORC.10.9.2	Universal ID		
ORC.10.9.3	Universal ID Type		
ORC.10.10	Name Type Code	L	
ORC.10.12	Check Digit Scheme		
<b>ORC.12</b>	<b>Ordering Provider</b>		
ORC.12.1	ID Number	654	
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Thomas	
ORC.12.3	Given Name	Wilma	
	Second and Further		

Location	Data Elementmt	Data	Categrization
ORC.12.4	Given Name or Initials Thereof	Elizabeth	
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID		
ORC.12.9.3	Universal ID Type		
ORC.12.10	Name Type Code	L	
ORC.12.12	Check Digit Scheme		
<b>ORC.17</b>	<b>Entering Organization</b>		
ORC.17.1	Identifier	wcEHR	
ORC.17.2	Text	West Clinic	
ORC.17.3	Name of Coding System	HL70362	
ORC.17.5	Alternate Text		
ORC.17.6	Name of Alternate Coding System		

#### RXA : Pharmacy/Treatment Administration

Location	Data Elementmt	Data	Categrization
<b>RXA.1</b>	<b>Give Sub-ID Counter</b>	0	
<b>RXA.2</b>	<b>Administration Sub-ID Counter</b>	1	
<b>RXA.3</b>	<b>Date/Time Start of Administration</b>		
RXA.3.1	Time	20150624	
<b>RXA.5</b>	<b>Administered Code</b>		
RXA.5.1	Identifier	83	
RXA.5.2	Text	Hep A, ped/adol, 2 dose	
RXA.5.3	Name of Coding System	CVX	
RXA.5.5	Alternate Text		
RXA.5.6	Name of Alternate Coding System		
<b>RXA.6</b>	<b>Administered Amount</b>	0.5	
<b>RXA.7</b>	<b>Administered Units</b>		
RXA.7.1	Identifier	mL	
RXA.7.2	Text	mL	
RXA.7.3	Name of Coding System	UCUM	
RXA.7.5	Alternate Text		
RXA.7.6	Name of Alternate Coding System		
<b>RXA.9</b>	<b>Administration Notes</b>		
RXA.9.1	Identifier	00	
RXA.9.2	Text	New Record	
	Name of Coding		

<b>RXA.9.3</b>	<b>Location</b>	<b>System</b>	<b>Data Element</b>	<b>mt</b>	<b>NIP001</b>	<b>Data</b>	<b>Categorization</b>
RXA.9.5			Alternate Text				
RXA.9.6			Name of Alternate Coding System				
<b>RXA.10</b>			<b>Administering Provider</b>				
RXA.10.1			ID Number		7824		
RXA.10.2			Family Name				
RXA.10.2.1			Surname		Jackson		
RXA.10.3			Given Name		Lily		
RXA.10.4			Second and Further Given Names or Initials Thereof		Suzanne		
RXA.10.9			Assigning Authority				
RXA.10.9.2			Universal ID				
RXA.10.9.3			Universal ID Type				
RXA.10.10			Name Type Code		L		
RXA.10.12			Check Digit Scheme				
<b>RXA.11</b>			<b>Administered-at Location</b>				
RXA.11.4			Facility				
RXA.11.4.1			Namespace ID		wcEHR		
RXA.11.4.2			Universal ID				
RXA.11.4.3			Universal ID Type				
<b>RXA.15</b>			<b>Substance Lot Number</b>		208490		
<b>RXA.16</b>			<b>Substance Expiration Date</b>				
RXA.16.1			Time		20160120		
<b>RXA.17</b>			<b>Substance Manufacturer Name</b>				
RXA.17.1			Identifier		MSD		
RXA.17.2			Text		Merck and Co., Inc.		
RXA.17.3			Name of Coding System		MVX		
RXA.17.5			Alternate Text				
RXA.17.6			Name of Alternate Coding System				
<b>RXA.18</b>			<b>Substance/Treatment Refusal Reason</b>				
RXA.18.1			Identifier				
RXA.18.2			Text				
RXA.18.3			Name of Coding System				
RXA.18.5			Alternate Text				
RXA.18.6			Name of Alternate Coding System				
<b>RXA.20</b>			<b>Completion Status</b>		CP		

<b>RXA.2 Location</b>	<b>Action Code - RYA</b>	<b>Data Elementmt</b>	<b>U</b>	<b>Data</b>	<b>Categrization</b>

#### RXR : Pharmacy/Treatment Route

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

#### OBX : Observation/Result

<b>Location</b>	<b>Data Elementmt</b>	<b>Data</b>	<b>Categrization</b>
<b>OBX.1</b>	<b>Set ID - OBX</b>	1	
<b>OBX.2</b>	<b>Value Type</b>	CE	
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	30963-3	
OBX.3.2	Text	Vaccine Funding Source	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
<b>OBX.4</b>	<b>Observation Sub-ID</b>	1	
<b>OBX.5</b>	<b>Observation Value</b>		
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
<b>OBX.11</b>	<b>Observation Result Status</b>	F	



OBX.14	Location	Date/Time of the Observation	Data	Categorization
	OBX.14.1	Time	20150624	
OBX.17	Observation Method			
	OBX.17.1	Identifier		
	OBX.17.2	Text		
	OBX.17.3	Name of Coding System		
	OBX.17.5	Alternate Text		
	OBX.17.6	Name of Alternate Coding System		

OBX : Observation/Result

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

OBX.17 Location	Name of Alternate Coding System	Data	Categorization
	Coding System		

OBX : Observation/Result

Location	Data Elementmt	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	3	
<b>OBX.2</b>	<b>Value Type</b>	CE	
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	69764-9	
OBX.3.2	Text	Document Type	
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
<b>OBX.4</b>	<b>Observation Sub-ID</b>	3	
<b>OBX.5</b>	<b>Observation Value</b>		
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
<b>OBX.11</b>	<b>Observation Result Status</b>	F	
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150624	
<b>OBX.17</b>	<b>Observation Method</b>		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		

OBX : Observation/Result

Location	Data Elementmt	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	4	
<b>OBX.2</b>	<b>Value Type</b>	DT	
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	29769-7	

OBX Location	Data Element	Date Visited	Categorization
OBX.3.3	Name of Coding System	LN	
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
<b>OBX.4</b>	<b>Observation Sub-ID</b>	3	
<b>OBX.5</b>	<b>Observation Value</b>	20150624	
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier		
OBX.6.2	Text		
OBX.6.3	Name of Coding System		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
<b>OBX.11</b>	<b>Observation Result Status</b>	F	
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150624	
<b>OBX.17</b>	<b>Observation Method</b>		
OBX.17.1	Identifier		
OBX.17.2	Text		
OBX.17.3	Name of Coding System		
OBX.17.5	Alternate Text		
OBX.17.6	Name of Alternate Coding System		