

**MSH : MSH Segment Adopting Fields from 2.7.1**

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	SUT-APP	Presence-Configuration
MSH-3.2	Universal ID		
MSH-3.3	Universal ID Type		
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	OFM	Presence-Configuration
MSH-4.2	Universal ID		
MSH-4.3	Universal ID Type		
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	IIP-IIS-APP	Presence-Configuration
MSH-5.2	Universal ID		
MSH-5.3	Universal ID Type		
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	IIP	Presence-Configuration
MSH-6.2	Universal ID		
MSH-6.3	Universal ID Type		
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20240405132213-0500	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	IIP-Transmit-8	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
MSH-16	Application 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		
MSH-21.4	Universal ID Type		
MSH-22	Sending Responsible Organization		
MSH-22.1	Organization Name	Oregon Family Medicine	Presence-Configuration
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		
MSH-23	Receiving Responsible Organization		
MSH-23.1	Organization Name	Immunization Integration Program	Presence-Configuration
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	Data	Categorization
PID-1	Set ID - PID	1	Value-Profile Fixed
PID-3	Patient Identifier List		
PID-3.1	ID Number	4444	Presence-Content Indifferent
PID-3.4	Assigning Authority		
PID-3.4.1	Namespace ID	IIP-MPI-1	Indifferent
PID-3.4.2	Universal ID		
PID-3.4.3	Universal ID Type		
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	McKay	Value-Test Case Fixed
PID-5.2	Given Name	Deborah	Value-Test Case Fixed
PID-5.3	Second and Further Given Names or Initials Thereof	Charlotte	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	Schroeder	Presence-Content Indifferent
PID-6.2	Given Name		
PID-6.7	Name Type Code	M	Value-Profile Fixed
PID-7	Date/Time of Birth		
PID-7.1	Time	20230205	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	Black or African American	Presence-Test Case Proper
PID-10.3	Name of Coding System	CDCREC	Value-Profile Fixed
PID-10.4	Alternate Identifier		
PID-10.5	Alternate Text		
PID-10.6	Name of Alternate Coding System		
PID-11	Patient Address		
PID-11.1	Street Address		
PID-11.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
PID-11.2	Other Designation		
PID-11.3	City	Springfield	Value-Test Case Fixed
PID-11.4	State or Province	OR	Value-Test Case Fixed
PID-11.5	Zip or Postal Code	97477	Value-Test Case Fixed
PID-11.6	Country	USA	Value-Test Case Fixed
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
PID-13.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed

PID-13.4	Email Address		
PID-13.6	Area/City Code	541	Value-Test Case Fixed
PID-13.7	Local Number	5551236	Value-Test Case Fixed
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-22.4	Alternate Identifier		
PID-22.5	Alternate Text		
PID-22.6	Name of Alternate Coding System		
PID-24	Multiple Birth Indicator	Y	Value-Test Case Fixed
PID-25	Birth Order	2	Value-Test Case Fixed
PID-29	Patient Death Date and Time		
PID-29.1	Time		
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	02	Value-Test Case Fixed
PD1-11.2	Text	Reminder/recall - any method	Presence-Test Case Proper
PD1-11.3	Name of Coding System	HL70215	Value-Profile Fixed
PD1-11.4	Alternate Identifier		
PD1-11.5	Alternate Text		
PD1-11.6	Name of Alternate Coding System		
PD1-12	Protection Indicator	N	Value-Test Case Fixed
PD1-13	Protection Indicator Effective Date	20240405	Presence-Content Indifferent
PD1-16	Immunization Registry Status	A	Value-Test Case Fixed
PD1-17	Immunization Registry Status Effective Date	20240126	Presence-Content Indifferent
PD1-18	Publicity Code Effective Date	20240405	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		
NK1-2.1.1	Surname	McKay	Value-Test Case Fixed
NK1-2.2	Given Name	Angeline	Value-Test Case Fixed
NK1-2.3	Second and Further Given Names or Initials Thereof	Ingrid	Presence-Content 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
NK1-3.4	Alternate Identifier		
NK1-3.5	Alternate Text		

NK1-3.6	Name of Alternate Coding System		
NK1-4	Address		
NK1-4.1	Street Address		
NK1-4.1.1	Street or Mailing Address	600 Cherry Rd.	Value-Test Case Fixed
NK1-4.2	Other Designation		
NK1-4.3	City	Springfield	Value-Test Case Fixed
NK1-4.4	State or Province	OR	Value-Test Case Fixed
NK1-4.5	Zip or Postal Code	97477	Value-Test Case Fixed
NK1-4.6	Country	USA	Value-Test Case Fixed
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		
NK1-5.6	Area/City Code	541	Value-Test Case Fixed
NK1-5.7	Local Number	5551236	Value-Test Case Fixed

#### 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	1116	Indifferent
ORC-2.2	Namespace ID	IIP-2	Indifferent
ORC-2.3	Universal ID		
ORC-2.4	Universal ID Type		
ORC-3	Filler Order Number		
ORC-3.1	Entity Identifier	2227	Presence-Content Indifferent
ORC-3.2	Namespace ID	IIP-2	Presence-Content Indifferent
ORC-3.3	Universal ID		
ORC-3.4	Universal ID Type		
ORC-10	Entered By		
ORC-10.1	ID Number	7824	Presence-Content Indifferent
ORC-10.2	Family Name		
ORC-10.2.1	Surname	Wyatt	Value-Test Case Fixed
ORC-10.3	Given Name	Daniela	Value-Test Case Fixed
ORC-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Indifferent
ORC-10.9	Assigning Authority		
ORC-10.9.1	Namespace ID	OFM-PI-1	Presence-Content Indifferent
ORC-10.9.2	Universal ID		
ORC-10.9.3	Universal ID Type		
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	Bradshaw	Value-Test Case Fixed
ORC-12.3	Given Name	Ramon	Value-Test Case Fixed
ORC-12.4	Second and Further Given Names or Initials Thereof	Michael	Indifferent

ORC-12.9	Assigning Authority		
ORC-12.9.1	Namespace ID	OFM	Presence-Content Indifferent
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	MD	Value-Test Case Fixed
ORC-17	Entering Organization		
ORC-17.1	Identifier	197028	Presence-Content Indifferent
ORC-17.2	Text	Oregon Family Medicine	Presence-Content Indifferent
ORC-17.3	Name of Coding System	HL70362	Value-Profile Fixed
ORC-17.4	Alternate Identifier		
ORC-17.5	Alternate Text		
ORC-17.6	Name of Alternate Coding System		

### 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	20240405	Presence-Content Indifferent
RXA-5	Administered Code		
RXA-5.1	Identifier	58160-0825-43	Value-Test Case Fixed
RXA-5.2	Text	HAVRIX	Presence-Test Case Proper
RXA-5.3	Name of Coding System	NDC	Value-Profile Fixed
RXA-5.4	Alternate Identifier	83	Value-Test Case Fixed
RXA-5.5	Alternate Text	Hep A, ped/adol, 2 dose	Presence-Test Case Proper
RXA-5.6	Name of Alternate 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	mL	Presence-Test Case Proper
RXA-7.3	Name of Coding System	UCUM	Value-Profile Fixed
RXA-7.4	Alternate Identifier		
RXA-7.5	Alternate Text		
RXA-7.6	Name of Alternate Coding System		
RXA-9	Administration Notes		
RXA-9.1	Identifier	00	Value-Test Case Fixed
RXA-9.2	Text	New immunization record	Presence-Test Case Proper
RXA-9.3	Name of Coding System	NIP001	Value-Profile Fixed
RXA-9.4	Alternate Identifier		
RXA-9.5	Alternate Text		
RXA-9.6	Name of Alternate Coding System		
RXA-10	Administering Provider		
RXA-10.1	ID Number	7824	Presence-Content Indifferent
RXA-10.2	Family Name		
RXA-10.2.1	Surname	Wyatt	Value-Test Case Fixed
RXA-10.3	Given Name	Daniela	Value-Test Case Fixed

RXA-10.4	Second and Further Given Names or Initials Thereof	Jennifer	Indifferent
RXA-10.9	Assigning Authority		
RXA-10.9.1	Namespace ID	OFM-PI-1	Indifferent
RXA-10.9.2	Universal ID		
RXA-10.9.3	Universal ID Type		
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	OFM	Presence-Content Indifferent
RXA-11.4.2	Universal ID		
RXA-11.4.3	Universal ID Type		
RXA-15	Substance Lot Number	IIPVAXN11	Value-Test Case Fixed
RXA-16	Substance Expiration Date		
RXA-16.1	Time	20290927	Value-Test Case Fixed
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	MXV	Value-Profile Fixed
RXA-17.4	Alternate Identifier		
RXA-17.5	Alternate Text		
RXA-17.6	Name of Alternate Coding System		
RXA-18	Substance/Treatment Refusal Reason		
RXA-18.1	Identifier		
RXA-18.2	Text		
RXA-18.3	Name of Coding System		
RXA-18.4	Alternate Identifier		
RXA-18.5	Alternate Text		
RXA-18.6	Name of Alternate Coding System		
RXA-20	Completion Status	CP	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
RXR-1.2	Text	INTRAMUSCULAR	Presence-Test Case Proper
RXR-1.3	Name of Coding System	NCIT	Value-Profile Fixed
RXR-1.4	Alternate Identifier		
RXR-1.5	Alternate Text		
RXR-1.6	Name of Alternate Coding System		
RXR-2	Administration Site		
RXR-2.1	Identifier	LVL	Value-Test Case Fixed
RXR-2.2	Text	Left Vastus Lateralis	Presence-Test Case Proper
RXR-2.3	Name of Coding System	HL70163	Value-Profile Fixed
RXR-2.5	Alternate Text		

RXR-2.6

Name of Alternate Coding  
System

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-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
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 funds	Presence-Test Case Proper
OBX-5.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
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	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 category	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	1	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-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier	VXC40	
OBX-17.2	Text	Eligibility captured at the immunization level	
OBX-17.3	Name of Coding System	CDCPHINVS	
OBX-17.4	Alternate Identifier		
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	3	Value-Profile Fixed
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-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value		
OBX-5.1	Identifier	253088698300004211211015	Value-Test Case Fixed



OBX-5.2	Text	Hepatitis A Vaccine VIS - 10/15/2021	Presence-Test Case Proper
OBX-5.3	Name of Coding System	cdcgs1vis	Value-Profile Fixed
OBX-5.4	Alternate Identifier		
OBX-5.5	Alternate Text		
OBX-5.6	Name of Alternate Coding System		
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		
OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
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	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 Vaccine Information Statement Presented	Presence-Test Case Proper
OBX-3.3	Name of Coding System	LN	Value-Profile Fixed
OBX-3.4	Alternate Identifier		
OBX-3.5	Alternate Text		
OBX-3.6	Name of Alternate Coding System		
OBX-4	Observation Sub-ID	3	Presence-Test Case Proper
OBX-5	Observation Value	20240405	Presence-Content Indifferent
OBX-6	Units		
OBX-6.1	Identifier		
OBX-6.2	Text		
OBX-6.3	Name of Coding System		
OBX-6.4	Alternate Identifier		
OBX-6.5	Alternate Text		
OBX-6.6	Name of Alternate Coding System		
OBX-11	Observation Result Status	F	Value-Profile Fixed
OBX-14	Date/Time of the Observation		

OBX-14.1	Time	20240405	Presence-Content Indifferent
OBX-17	Observation Method		
OBX-17.1	Identifier		
OBX-17.2	Text		
OBX-17.3	Name of Coding System		
OBX-17.4	Alternate Identifier		
OBX-17.5	Alternate Text		
OBX-17.6	Name of Alternate Coding System		