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	NISTIISAPP	Presence-Configuration
MSH-3.2	Universal ID	2.16.840.1.113883.3.72.5.20.3	Indifferent
MSH-3.3	Universal ID Type	ISO	Indifferent
MSH-4	Sending Facility		
MSH-4.1	Namespace ID	NISTIISFAC	Presence-Configuration
MSH-4.2	Universal ID	2.16.840.1.113883.3.72.5.20.4	Indifferent
MSH-4.3	Universal ID Type	ISO	Indifferent
MSH-5	Receiving Application		
MSH-5.1	Namespace ID	NISTEHRAPP	Presence-Configuration
MSH-5.2	Universal ID	2.16.840.1.113883.3.72.5.20.1	Indifferent
MSH-5.3	Universal ID Type	ISO	Indifferent
MSH-6	Receiving Facility		
MSH-6.1	Namespace ID	NISTEHRFAC	Presence-Configuration
MSH-6.2	Universal ID	2.16.840.1.113883.3.72.5.20.2	Indifferent
MSH-6.3	Universal ID Type	ISO	Indifferent
MSH-7	Date/Time Of Message		
MSH-7.1	Time	20151031145233-0500	Presence-System Generated
MSH-9	Message Type		
MSH-9.1	Message Code	RSP	Value-Profile Fixed
MSH-9.2	Trigger Event	K11	Value-Profile Fixed
MSH-9.3	Message Structure	RSP_K11	Value-Profile Fixed
MSH-10	Message Control ID	NIST-IZ-QR-3.2_Response_NF_K11GZ33	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	NE	Value-Profile Fixed
MSH-16	Application Acknowledgment Type	NE	Value-Profile Fixed
MSH-21	Message Profile		

Location	Data Element	Data	Categorization
	Identifier		
MSH-21.1	Entity Identifier	Z33	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	2.16.840.1.113883.3.72.5.4.4.9	Indifferent
MSH-22.6.3	Universal ID Type	ISO	Indifferent
MSH-22.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-22.10	Organization Identifier	100-3322	Indifferent
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	2.16.840.1.113883.3.72.5.4.4.9	Indifferent
MSH-23.6.3	Universal ID Type	ISO	Indifferent
MSH-23.7	Identifier Type Code	XX	Value-Test Case Fixed
MSH-23.10	Organization Identifier	100-6482	Presence-Configuration

MSA : Message Acknowledgment

Location	Data Element	Data	Categorization
MSA-1	Acknowledgment Code	AA	
MSA-2	Message Control ID	NIST-IZ-QR-3.1_Query_Q11_Z44	

QAK : Query Acknowledgment

Location	Data Element	Data	Categorization
QAK-1	Query Tag	IZ-3.1-2015	
QAK-2	Query Response Status	NF	
QAK-3	Message Query Name		
QAK-3.1	Identifier	Z44	

Location	Data Element	Data	Categorization
QAK-3.2	Text	request evaluated Immunization history	
QAK-3.3	Name of Coding System	CDCPHINVS	

QPD : Query Parameter Definition

Location	Data Element	Data	Categorization
QPD-1	Message Query Name		
QPD-1.1	Identifier	Z44	Value-Profile Fixed
QPD-1.2	Text	Request Evaluated History and Forecast	Value-Profile Fixed
QPD-1.3	Name of Coding System	CDCPHINVS	Value-Profile Fixed
QPD-2	Query Tag	IZ-3.1-2015	Presence-System Generated
QPD-3	PatientList		
QPD-3.1	ID Number	177993	Value-Test Case Fixed
QPD-3.4	Assigning Authority		
QPD-3.4.1	Namespace ID	NIST MPI	Value-Test Case Fixed
QPD-3.4.2	Universal ID	2.16.840.1.113883.3.72.5.9.2	Indifferent
QPD-3.4.3	Universal ID Type	ISO	Indifferent
QPD-3.5	Identifier Type Code	MR	Value-Test Case Fixed
QPD-4	PatientName		
QPD-4.1	Family Name		
QPD-4.1.1	Surname	Bee	Value-Test Case Fixed
QPD-4.2	Given Name	Donna	Value-Test Case Fixed
QPD-4.3	Second and Further Given Names or Initials Thereof	Victoria	Value-Test Case Fixed
QPD-4.7	Name Type Code	L	Value-Test Case Fixed
QPD-5	PatientMotherMaidenName		
QPD-5.1	Family Name		
QPD-5.1.1	Surname	Goluchio	Value-Test Case Fixed
QPD-5.7	Name Type Code	M	Value-Profile Fixed
QPD-6	PatientDateOfBirth		
QPD-6.1	Time	20120507	Value-Test Case Fixed
QPD-7	Patient Sex	F	Value-Test Case Fixed
QPD-8	Patient Address		
QPD-8.1	Street Address		
QPD-8.1.1	Street or Mailing Address	737 Everygreen Road	Value-Test Case Fixed
QPD-8.2	Other Designation	Suite 511	Indifferent
QPD-8.3	City	Livingston	Value-Test Case Fixed
QPD-8.4	State or Province	MT	Value-Test Case Fixed
QPD-8.5	Zip or Postal Code	59047	Value-Test Case Fixed

QPD-8.6	Country	USA	Value-Test Case Fixed
QPD-8.7	Address Type	L	Value-Test Case Fixed
QPD-9	Phone		
QPD-9.2	Telecommunication Use Code	PRN	Value-Test Case Fixed
QPD-9.3	Telecommunication Equipment Type	PH	Value-Test Case Fixed
QPD-9.4	Email Address		
QPD-9.6	Area/City Code	406	Value-Test Case Fixed
QPD-9.7	Local Number	5553758	Value-Test Case Fixed
QPD-10	Multiple birth indicator	Y	Value-Test Case Fixed
QPD-11	Birth order	3	Value-Test Case Fixed