

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 | NISTIISAPP | |
| MSH-3.2 | Universal ID | | |
| MSH-3.3 | Universal ID Type | | |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | NISTIISFAC | |
| MSH-4.2 | Universal ID | | |
| MSH-4.3 | Universal ID Type | | |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | NISTEHRAPP | |
| MSH-5.2 | Universal ID | | |
| MSH-5.3 | Universal ID Type | | |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | NISTEHRFAC | |
| MSH-6.2 | Universal ID | | |
| MSH-6.3 | Universal ID Type | | |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20141031145233-0500 | |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | RSP | |
| MSH-9.2 | Trigger Event | K11 | |
| MSH-9.3 | Message Structure | RSP_K11 | |
| MSH-10 | Message Control ID | NIST-IZ-QR-4.2_Response_TM_K11_Z33 | |
| 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 | NE | |
| MSH-16 | Application Acknowledgment Type | NE | |
| MSH-21 | Message Profile Identifier | | |
| MSH-21.1 | Entity Identifier | Z33 | |
| 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 | NISTIISFAC | |

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| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | NIST-AA-1 | |
| MSH-22.6.2 | Universal ID | | |
| MSH-22.6.3 | Universal ID Type | | |
| MSH-22.7 | Identifier Type Code | XX | |
| MSH-22.10 | Organization Identifier | 100-3322 | |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | NISTEHRFAC | |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | NIST-AA-1 | |
| MSH-23.6.2 | Universal ID | | |
| MSH-23.6.3 | Universal ID Type | | |
| MSH-23.7 | Identifier Type Code | XX | |
| MSH-23.10 | Organization Identifier | 100-6482 | |

MSA : Message Acknowledgment

| Location | Data Element | Data | Categorization |
|----------|---------------------|------------------------------|----------------|
| MSA-1 | Acknowledgment Code | AA | |
| MSA-2 | Message Control ID | NIST-IZ-QR-4.1_Query_Q11_Z44 | |

QAK : Query Acknowledgment

| Location | Data Element | Data | Categorization |
|----------|-----------------------|--|----------------|
| QAK-1 | Query Tag | IZ-4.1-2015 | |
| QAK-2 | Query Response Status | TM | |
| QAK-3 | Message Query Name | | |
| QAK-3.1 | Identifier | Z44 | |
| QAK-3.2 | Text | Request Evaluated History and Forecast | |
| 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 | |
| QPD-1.2 | Text | Request Evaluated History and Forecast | |
| QPD-1.3 | Name of Coding System | CDCPHINVS | |
| QPD-2 | Query Tag | IZ-4.1-2015 | |
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| QPD-3 | PatientList | | |
| QPD-3.1 | ID Number | 412299 | |
| QPD-3.4 | Assigning Authority | | |
| QPD-3.4.1 | Namespace ID | NIST-MPI-1 | |
| QPD-3.4.2 | Universal ID | | |
| QPD-3.4.3 | Universal ID Type | | |
| QPD-3.5 | Identifier Type Code | MR | |
| QPD-4 | PatientName | | |
| QPD-4.1 | Family Name | | |
| QPD-4.1.1 | Surname | Smith | |
| QPD-4.2 | Given Name | James | |
| QPD-4.3 | Second and Further Given Names or Initials Thereof | | |
| QPD-4.7 | Name Type Code | L | |
| QPD-5 | PatientMotherMaidenName | | |
| QPD-5.1 | Family Name | | |
| QPD-5.1.1 | Surname | | |
| QPD-5.7 | Name Type Code | | |
| QPD-6 | PatientDateOfBirth | | |
| QPD-6.1 | Time | 20110905 | |
| QPD-7 | Patient Sex | M | |
| QPD-8 | Patient Address | | |
| QPD-8.1 | Street Address | | |
| QPD-8.1.1 | Street or Mailing Address | 22 East Branch Way | |
| QPD-8.2 | Other Designation | | |
| QPD-8.3 | City | Livingston | |
| QPD-8.4 | State or Province | MT | |
| QPD-8.5 | Zip or Postal Code | 59047 | |
| QPD-8.6 | Country | | |
| QPD-8.7 | Address Type | P | |
| QPD-9 | Phone | | |
| QPD-9.2 | Telecommunication Use Code | PRN | |
| QPD-9.3 | Telecommunication Equipment Type | PH | |
| QPD-9.4 | Email Address | | |
| QPD-9.6 | Area/City Code | 406 | |
| QPD-9.7 | Local Number | 5556285 | |
| QPD-10 | Multiple birth indicator | | |
| QPD-11 | Birth order | | |