

MSH

| 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 | NIST EHR APP | Presence-Configuration |
| MSH-3.2 | Universal ID | | Indifferent |
| MSH-3.3 | Universal ID Type | | Indifferent |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | NIST EHR Facility | Presence-Configuration |
| MSH-4.2 | Universal ID | | Indifferent |
| MSH-4.3 | Universal ID Type | | Indifferent |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | NIST IIS APP | Presence-Configuration |
| MSH-5.2 | Universal ID | | Indifferent |
| MSH-5.3 | Universal ID Type | | Indifferent |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | NIST IIS FAC | Presence-Configuration |
| MSH-6.2 | Universal ID | | Indifferent |
| MSH-6.3 | Universal ID Type | | Indifferent |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20141031145233-0500 | Presence-System Generated |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | QBP | Value-Profile Fixed |
| MSH-9.2 | Trigger Event | Q11 | Value-Profile Fixed |
| MSH-9.3 | Message Structure | QBP_Q11 | Value-Profile Fixed |
| MSH-10 | Message Control ID | NIST-IZ-QR-2.1_Query_Q11_Z44 | 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 |
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|------------|------------------------------------|-------------------|------------------------|
| 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 | Z44 | Value-Test Case 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 | NIST EHR Facility | Presence-Configuration |
| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | NIST-AA-1 | Indifferent |
| MSH-22.6.2 | Universal ID | | Indifferent |
| MSH-22.6.3 | Universal ID Type | | Indifferent |
| MSH-22.7 | Identifier Type Code | XX | Indifferent |
| MSH-22.10 | Organization Identifier | 100-6482 | Indifferent |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | NIST IIS FAC | Presence-Configuration |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | NIST-AA-1 | Indifferent |
| MSH-23.6.2 | Universal ID | | Indifferent |
| MSH-23.6.3 | Universal ID Type | | Indifferent |
| MSH-23.7 | Identifier Type Code | XX | Indifferent |
| MSH-23.10 | Organization Identifier | 100-1776 | Indifferent |

QPD

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
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|-----------|--|--|---------------------------|
| QPD-1 | Message Query Name | | |
| QPD-1.1 | Identifier | Z44 | Value-Test Case Fixed |
| QPD-1.2 | Text | Request Evaluated History and Forecast | Value-Test Case Fixed |
| QPD-1.3 | Name of Coding System | CDCPHINVS | Value-Profile Fixed |
| QPD-1.5 | Alternate Text | | |
| QPD-1.6 | Name of Alternate Coding System | | |
| QPD-2 | Query Tag | IZ-2.1-2015 | Presence-System Generated |
| QPD-3 | PatientList | | |
| QPD-3.1 | ID Number | 648286 | Value-Test Case Fixed |
| QPD-3.3 | Check Digit Scheme | | |
| QPD-3.4 | Assigning Authority | | |
| QPD-3.4.1 | Namespace ID | NIST MPI | Value-Test Case Fixed |
| QPD-3.4.2 | Universal ID | | Indifferent |
| QPD-3.4.3 | Universal ID Type | | 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 | Stanley | Value-Test Case Fixed |
| QPD-4.1.2 | Own Surname Prefix | | |
| QPD-4.1.3 | Own Surname | | |
| QPD-4.1.4 | Surname Prefix From Partner/Spouse | | |
| QPD-4.1.5 | Surname From Partner/Spouse | | |
| QPD-4.2 | Given Name | Clement | Value-Test Case Fixed |
| QPD-4.3 | Second and Further Given Names or Initials Thereof | S | Value-Test Case Fixed |
| QPD-4.7 | Name Type Code | L | Value-Test Case Fixed |
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|-----------|------------------------------------|---------------|------------------------------|
| QPD-5 | PatientMotherMaidenName | | |
| QPD-5.1 | Family Name | | |
| QPD-5.1.1 | Surname | Smith | Value-Test Case Fixed |
| QPD-5.1.2 | Own Surname Prefix | | |
| QPD-5.1.3 | Own Surname | | |
| QPD-5.1.4 | Surname Prefix From Partner/Spouse | | |
| QPD-5.1.5 | Surname From Partner/Spouse | | |
| QPD-5.7 | Name Type Code | M | Value-Profile Fixed |
| QPD-6 | PatientDateOfBirth | | |
| QPD-6.1 | Time | 19500214 | Value-Test Case Fixed |
| QPD-7 | Patient Sex | M | Value-Test Case Fixed |
| QPD-8 | Patient Address | | |
| QPD-8.1 | Street Address | | |
| QPD-8.1.1 | Street or Mailing Address | 1642 Bear Run | Value-Test Case Fixed |
| QPD-8.1.2 | Street Name | | |
| QPD-8.1.3 | Dwelling Number | | |
| QPD-8.2 | Other Designation | | Indifferent |
| QPD-8.3 | City | Boseman | Value-Test Case Fixed |
| QPD-8.4 | State or Province | MT | Value-Test Case Fixed |
| QPD-8.5 | Zip or Postal Code | 59715 | Value-Test Case Fixed |
| QPD-8.6 | Country | USA | Value-Test Case Fixed |
| QPD-8.7 | Address Type | L | Presence-Content Indifferent |
| 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 | 5552020 | Value-Test Case Fixed |
| QPD-10 | Multiple birth indicator | | Value-Test Case Fixed |
| | | | Value-Test Case |

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| QPD-11 | Birth order | | Fixed |
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RCP

| Location | Data Element | Data | Categorization |
|-----------|---------------------------------|---------|-----------------------|
| RCP-1 | Query Priority | I | Value-Profile Fixed |
| RCP-2 | Quantity Limited Request | | |
| RCP-2.1 | Quantity | 1 | Value-Test Case Fixed |
| RCP-2.2 | Units | | |
| RCP-2.2.1 | Identifier | RD | Value-Profile Fixed |
| RCP-2.2.2 | Text | Records | Value-Profile Fixed |
| RCP-2.2.3 | Name of Coding System | HL70126 | Value-Profile Fixed |
| RCP-2.2.4 | Alternate Identifier | | |
| RCP-2.2.5 | Alternate Text | | |
| RCP-2.2.6 | Name of Alternate Coding System | | |

| 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 | NIST EHR APP | Presence-Configuration |
| MSH-3.2 | Universal ID | | Indifferent |
| MSH-3.3 | Universal ID Type | | Indifferent |
| MSH-4 | Sending Facility | | |
| MSH-4.1 | Namespace ID | NIST EHR Facility | Presence-Configuration |
| MSH-4.2 | Universal ID | | Indifferent |
| MSH-4.3 | Universal ID Type | | Indifferent |
| MSH-5 | Receiving Application | | |
| MSH-5.1 | Namespace ID | NIST IIS APP | Presence-Configuration |
| MSH-5.2 | Universal ID | | Indifferent |
| MSH-5.3 | Universal ID Type | | Indifferent |
| MSH-6 | Receiving Facility | | |
| MSH-6.1 | Namespace ID | NIST IIS FAC | Presence-Configuration |
| MSH-6.2 | Universal ID | | Indifferent |
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|------------|------------------------------------|------------------------------|------------------------------|
| MSH-6.3 | Universal ID Type | | Indifferent |
| MSH-7 | Date/Time Of Message | | |
| MSH-7.1 | Time | 20141031145233-0500 | Presence-System Generated |
| MSH-9 | Message Type | | |
| MSH-9.1 | Message Code | QBP | Value-Profile Fixed |
| MSH-9.2 | Trigger Event | Q11 | Value-Profile Fixed |
| MSH-9.3 | Message Structure | QBP_Q11 | Value-Profile Fixed |
| MSH-10 | Message Control ID | NIST-IZ-QR-2.1_Query_Q11_Z44 | 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 | Z44 | Value-Test Case 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 | NIST EHR Facility | Presence-Configuration |
| MSH-22.6 | Assigning Authority | | |
| MSH-22.6.1 | Namespace ID | NIST-AA-1 | Indifferent |
| MSH-22.6.2 | Universal ID | | Indifferent |
| MSH-22.6.3 | Universal ID Type | | Indifferent |
| MSH-22.7 | Identifier Type Code | XX | Indifferent |
| MSH-22.10 | Organization Identifier | 100-6482 | Indifferent |
| MSH-23 | Receiving Responsible Organization | | |
| MSH-23.1 | Organization Name | NIST IIS FAC | Presence-Configuration |
| MSH-23.6 | Assigning Authority | | |
| MSH-23.6.1 | Namespace ID | NIST-AA-1 | Indifferent |
| MSH-23.6.2 | Universal ID | | Indifferent |
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|------------------------|--|----------|----------------------------|
| MSH-23.6.3 MSH-23.7 | Universal ID Type Identifier Type Code | XX | Indifferent Indifferent |
| MSH-23.10 | Organization Identifier | 100-1776 | Indifferent |

| Location | Data Element | Data | Categorization |
|-----------|--|---|------------------------------|
| QPD-1 | Message Query Name | | |
| QPD-1.1 | Identifier | Z44 | Value-Test Case Fixed |
| QPD-1.2 | Text | Request Evaluated History and Forecast | Value-Test Case Fixed |
| QPD-1.3 | Name of Coding System | CDCPHINVS | Value-Profile Fixed |
| QPD-1.5 | Alternate Text | | |
| QPD-1.6 | Name of Alternate Coding System | | |
| QPD-2 | Query Tag | IZ-2.1-2015 | Presence-System Generated |
| QPD-3 | PatientList | | |
| QPD-3.1 | ID Number | 648286 | Value-Test Case Fixed |
| QPD-3.3 | Check Digit Scheme | | |
| QPD-3.4 | Assigning Authority | | |
| QPD-3.4.1 | Namespace ID | NIST MPI | Value-Test Case Fixed |
| QPD-3.4.2 | Universal ID | | Indifferent |
| QPD-3.4.3 | Universal ID Type | | 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 | Stanley | Value-Test Case Fixed |
| QPD-4.1.2 | Own Surname Prefix | | |
| QPD-4.1.3 | Own Surname | | |
| QPD-4.1.4 | Surname Prefix From Partner/Spouse | | |
| QPD-4.1.5 | Surname From Partner/Spouse | | |
| QPD-4.2 | Given Name | Clement | Value-Test Case Fixed |
| QPD-4.3 | Second and Further Given Names or Initials Thereof | S | 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 | Smith | Value-Test Case Fixed |
| QPD-5.1.2 | Own Surname | | |

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|-----------|------------------------------------|---------------|------------------------------|
| | Prefix | | |
| QPD-5.1.3 | Own Surname | | |
| QPD-5.1.4 | Surname Prefix From Partner/Spouse | | |
| QPD-5.1.5 | Surname From Partner/Spouse | | |
| QPD-5.7 | Name Type Code | M | Value-Profile Fixed |
| QPD-6 | PatientDateOfBirth | | |
| QPD-6.1 | Time | 19500214 | Value-Test Case Fixed |
| QPD-7 | Patient Sex | M | Value-Test Case Fixed |
| QPD-8 | Patient Address | | |
| QPD-8.1 | Street Address | | |
| QPD-8.1.1 | Street or Mailing Address | 1642 Bear Run | Value-Test Case Fixed |
| QPD-8.1.2 | Street Name | | |
| QPD-8.1.3 | Dwelling Number | | |
| QPD-8.2 | Other Designation | | Indifferent |
| QPD-8.3 | City | Boseman | Value-Test Case Fixed |
| QPD-8.4 | State or Province | MT | Value-Test Case Fixed |
| QPD-8.5 | Zip or Postal Code | 59715 | Value-Test Case Fixed |
| QPD-8.6 | Country | USA | Value-Test Case Fixed |
| QPD-8.7 | Address Type | L | Presence-Content Indifferent |
| 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 | 5552020 | Value-Test Case Fixed |
| QPD-10 | Multiple birth indicator | | Value-Test Case Fixed |
| QPD-11 | Birth order | | Value-Test Case Fixed |

| Location | Data Element | Data | Categorization |
|-----------|--------------------------|---------|-----------------------|
| RCP-1 | Query Priority | I | Value-Profile Fixed |
| RCP-2 | Quantity Limited Request | | |
| RCP-2.1 | Quantity | 1 | Value-Test Case Fixed |
| RCP-2.2 | Units | | |
| RCP-2.2.1 | Identifier | RD | Value-Profile Fixed |
| RCP-2.2.2 | Text | Records | Value-Profile Fixed |
| RCP-2.2.3 | Name of Coding System | HL70126 | Value-Profile Fixed |

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|-----------|---------------------------------|--|--|
| RCP-2.2.4 | Alternate Identifier | | |
| RCP-2.2.5 | Alternate Text | | |
| RCP-2.2.6 | Name of Alternate Coding System | | |