

## 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                    | NISTEHRAPP                   | Presence-Configuration       |
| MSH-3.2  | Universal ID                    |                              | Indifferent                  |
| MSH-3.3  | Universal ID Type               |                              | Indifferent                  |
| MSH-4    | Sending Facility                |                              |                              |
| MSH-4.1  | Namespace ID                    | NISTEHRFAC                   | Presence-Configuration       |
| MSH-4.2  | Universal ID                    |                              | Indifferent                  |
| MSH-4.3  | Universal ID Type               |                              | Indifferent                  |
| MSH-5    | Receiving Application           |                              |                              |
| MSH-5.1  | Namespace ID                    | NISTIISAPP                   | Presence-Configuration       |
| MSH-5.2  | Universal ID                    |                              | Indifferent                  |
| MSH-5.3  | Universal ID Type               |                              | Indifferent                  |
| MSH-6    | Receiving Facility              |                              |                              |
| MSH-6.1  | Namespace ID                    | NISTIISFAC                   | 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-1.1_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-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-1  | Presence-Configuration |
| MSH-22.6.2 | Universal ID                       |            | Indifferent            |
| MSH-22.6.3 | Universal ID Type                  |            | Indifferent            |
| MSH-22.7   | Identifier Type Code               | XX         | Value-Test Case Fixed  |
| MSH-22.10  | Organization Identifier            | 100-6482   | Presence-Configuration |
| 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-1  | Presence-Configuration |
| MSH-23.6.2 | Universal ID                       |            | Indifferent            |
| MSH-23.6.3 | Universal ID Type                  |            | Indifferent            |
| MSH-23.7   | Identifier Type Code               | XX         | Value-Test Case Fixed  |
| MSH-23.10  | Organization Identifier            | 100-3322   | Presence-Configuration |

### 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-1.1-2015                            | Presence-System Generated |
| QPD-3     | PatientList           |  |                           |
| QPD-3.1   | ID Number             | 171122                                 | Value-Test Case Fixed     |
| QPD-3.4   | Assigning Authority   |  |                           |
| QPD-3.4.1 | Namespace ID          | NIST-MPI-1                             | 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  | Fairchild         | Value-Test Case Fixed |
| QPD-4.2   | Given Name   | Cameron           | Value-Test Case Fixed |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | A                 | 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  | Fairlady          | Value-Test Case Fixed |
| QPD-5.7   | Name Type Code                                     | M                 | Value-Profile Fixed   |
| QPD-6     | PatientDateOfBirth                                 |                   |                       |
| QPD-6.1   | Time   | 20090214          | 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                          | 105 Laurel Run Rd | Value-Test Case Fixed |
| QPD-8.2   | Other Designation                                  |                   | Indifferent           |
| QPD-8.3   | City   | Bozeman           | Value-Test Case Fixed |
| QPD-8.4   | State or Province                                  | MT                | Value-Test Case Fixed |
| QPD-8.5   | Zip or Postal Code                                 |                   | Indifferent           |
| QPD-8.6   | Country  |                   | Indifferent           |
| QPD-8.7   | Address Type                                       | L                 | Value-Test Case Fixed |
| QPD-9     | Phone  |                   |                       |
| QPD-9.2   | Telecommunication Use Code                         |                   | Indifferent           |
| QPD-9.3   | Telecommunication Equipment Type                   |                   | Indifferent           |
| QPD-9.4   | Email Address                                      |                   |                       |
| QPD-9.6   | Area/City Code                                     |                   | Indifferent           |
| QPD-9.7   | Local Number                                       |                   | Indifferent           |
| QPD-10    | Multiple birth indicator                           |                   | Indifferent           |
| QPD-11    | Birth order  |                   | Indifferent           |

### RCP : Response Control Parameter

| Location | Data Element             | Data | Categorization        |
|----------|--------------------------|------|-----------------------|
| RCP-1    | Query Priority           | I    | Value-Test Case Fixed |
| RCP-2    | Quantity Limited Request |      |                       |

|           |                       |         |                           |
|-----------|-----------------------|---------|---------------------------|
| RCP-2.1   | Quantity              | 1       | Value-Profile Fixed       |
| RCP-2.2   | Units                 |         |                           |
| RCP-2.2.1 | Identifier            | RD      | Value-Profile Fixed       |
| RCP-2.2.2 | Text                  | Records | Presence-Test Case Proper |
| RCP-2.2.3 | Name of Coding System | HL70126 | Value-Profile Fixed       |