

## 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                     |                     |                |
| MSH-3.2  | Universal ID                     |                     |                |
| MSH-3.3  | Universal ID Type                |                     |                |
| MSH-4    | Sending Facility                 |                     |                |
| MSH-4.1  | Namespace ID                     |                     |                |
| MSH-4.2  | Universal ID                     |                     |                |
| MSH-4.3  | Universal ID Type                |                     |                |
| MSH-5    | Receiving Application            |                     |                |
| MSH-5.1  | Namespace ID                     |                     |                |
| MSH-5.2  | Universal ID                     |                     |                |
| MSH-5.3  | Universal ID Type                |                     |                |
| MSH-6    | Receiving Facility               |                     |                |
| MSH-6.1  | Namespace ID                     |                     |                |
| MSH-6.2  | Universal ID                     |                     |                |
| MSH-6.3  | Universal ID Type                |                     |                |
| MSH-7    | Date/Time Of Message             |                     |                |
| MSH-7.1  | Time                             | 20161015001020-0500 |                |
| MSH-9    | Message Type                     |                     |                |
| MSH-9.1  | Message Code                     | QBP                 |                |
| MSH-9.2  | Trigger Event                    | Q11                 |                |
| MSH-9.3  | Message Structure                | QBP_Q11             |                |
| MSH-10   | Message Control ID               | 793543              |                |
| 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       | ER                  |                |
| MSH-16   | Application Acknowledgment Type  | AL                  |                |
| MSH-21   | Message Profile Identifier       |                     |                |
| MSH-21.1 | Entity Identifier                | Z44                 |                |
| 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                |                     |                |
| 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                  |  |  |
| 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            |  |  |

### 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  | 37374859                               |                       |
| QPD-3     | PatientList  |  |                       |
| QPD-3.1   | ID Number  | 123456                                 |                       |
| QPD-3.4   | Assigning Authority                                |  |                       |
| QPD-3.4.1 | Namespace ID                                       | MYEHR                                  |                       |
| 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  | Vazquez                                | Value-Test Case Fixed |
| QPD-4.2   | Given Name   | Juana                                  | Value-Test Case Fixed |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | Mariana                                | 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  | Acosta                                 | Value-Test Case Fixed |
| QPD-5.7   | Name Type Code                                     | M                                      | Value-Test Case Fixed |

|           |                                  |                   |                       |
|-----------|----------------------------------|-------------------|-----------------------|
| QPD-6     | PatientDateOfBirth               |                   |                       |
| QPD-6.1   | Time                             | 201111011105      | 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        | 4345 Standish Way | Value-Test Case Fixed |
| QPD-8.2   | Other Designation                |                   |                       |
| QPD-8.3   | City                             | Stamford          | Value-Test Case Fixed |
| QPD-8.4   | State or Province                | CT                | Value-Test Case Fixed |
| QPD-8.5   | Zip or Postal Code               | 06903             | Value-Test Case Fixed |
| QPD-8.6   | Country                          |                   |                       |
| 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                   | 203               | Value-Test Case Fixed |
| QPD-9.7   | Local Number                     | 5551212           | Value-Test Case Fixed |
| QPD-10    | Multiple birth indicator         | N                 | Value-Test Case Fixed |
| QPD-11    | Birth order                      |                   |                       |

### RCP : Response Control Parameter

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