

## All Segments

### 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                             | 20150615001020-0500 |                |
| 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.1.5   | Alternate Text                                     |  |                 |
| QPD.1.6   | Name of Alternate Coding System                    |  |                 |
| QPD.2     | Query Tag  | 37374859                               |                 |
| QPD.3     | PatientList  |  |                 |
| QPD.3.1   | ID Number  | 123456                                 |                 |
| QPD.3.3   | Check Digit Scheme                                 |  |                 |
| 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  | Gonzales                               | 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   | Juana                                  | Test Case Fixed |
| QPD.4.3   | Second and Further Given Names or Initials Thereof | Mariana                                | Test Case Fixed |
| QPD.4.7   | Name Type Code                                     | L                                      | Test Case Fixed |
| QPD.5     | PatientMotherMaidenName                            |  |                 |
| QPD.5.1   | Family Name  |  |                 |
| QPD.5.1.1 | Surname  | Acosta                                 | 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                 | Test Case Fixed |
| QPD.6     | PatientDateOfBirth                 |                   |                 |
| QPD.6.1   | Time                               | 200912231105      | Test Case Fixed |
| QPD.7     | Patient Sex                        | F                 | Test Case Fixed |
| QPD.8     | Patient Address                    |                   |                 |
| QPD.8.1   | Street Address                     |                   |                 |
| QPD.8.1.1 | Street or Mailing Address          | 4345 Standish Way |                 |
| QPD.8.1.2 | Street Name                        |                   |                 |
| QPD.8.1.3 | Dwelling Number                    |                   |                 |
| QPD.8.2   | Other Designation                  |                   | Test Case Fixed |
| QPD.8.3   | City                               | Stamford          | Test Case Fixed |
| QPD.8.4   | State or Province                  | CT                | Test Case Fixed |
| QPD.8.5   | Zip or Postal Code                 | 06903             | Test Case Fixed |
| QPD.8.6   | Country                            |                   |                 |
| QPD.8.7   | Address Type                       | L                 | Test Case Fixed |
| QPD.9     | Phone                              |                   |                 |
| QPD.9.2   | Telecommunication Use Code         | PRN               | Test Case Fixed |
| QPD.9.3   | Telecommunication Equipment Type   | PH                | Test Case Fixed |
| QPD.9.4   | Email Address                      |                   |                 |
| QPD.9.6   | Area/City Code                     | 203               | Test Case Fixed |
| QPD.9.7   | Local Number                       | 5551212           | Test Case Fixed |
| QPD.10    | Multiple birth indicator           |                   |                 |
| QPD.11    | Birth order                        |                   |                 |

### RCP : Response Control Parameter

| Location | Data Element   | Data | Categorization |
|----------|----------------|------|----------------|
| RCP.1    | Query Priority | I    |                |

### 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                               | 20150615001020-0500 |  |
| 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.1.5   | Alternate Text                                     |  |                 |
| QPD.1.6   | Name of Alternate Coding System                    |  |                 |
| QPD.2     | Query Tag  | 37374859                               |                 |
| QPD.3     | PatientList  |  |                 |
| QPD.3.1   | ID Number  | 123456                                 |                 |
| QPD.3.3   | Check Digit Scheme                                 |  |                 |
| 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  | Gonzales                               | 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   | Juana                                  | Test Case Fixed |
| QPD.4.3   | Second and Further Given Names or Initials Thereof | Mariana                                | Test Case Fixed |
| QPD.4.7   | Name Type Code                                     | L                                      | Test Case Fixed |
| QPD.5     | PatientMotherMaidenName                            |  |                 |
| QPD.5.1   | Family Name  |  |                 |
| QPD.5.1.1 | Surname  | Acosta                                 | 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                                      | Test Case Fixed |
| QPD.6     | PatientDateOfBirth                                 |  |                 |
| QPD.6.1   | Time   | 200912231105                           | Test Case Fixed |
| QPD.7     | Patient Sex  | F                                      | Test Case Fixed |
| QPD.8     | Patient Address                                    |  |                 |
| QPD.8.1   | Street Address                                     |  |                 |
| QPD.8.1.1 | Street or Mailing Address                          | 4345 Standish Way                      |                 |

|           |                                  |          |                 |
|-----------|----------------------------------|----------|-----------------|
| QPD.8.1.2 | Street Name                      |          |                 |
| QPD.8.1.3 | Dwelling Number                  |          |                 |
| QPD.8.2   | Other Designation                |          | Test Case Fixed |
| QPD.8.3   | City                             | Stamford | Test Case Fixed |
| QPD.8.4   | State or Province                | CT       | Test Case Fixed |
| QPD.8.5   | Zip or Postal Code               | 06903    | Test Case Fixed |
| QPD.8.6   | Country                          |          |                 |
| QPD.8.7   | Address Type                     | L        | Test Case Fixed |
| QPD.9     | Phone                            |          |                 |
| QPD.9.2   | Telecommunication Use Code       | PRN      | Test Case Fixed |
| QPD.9.3   | Telecommunication Equipment Type | PH       | Test Case Fixed |
| QPD.9.4   | Email Address                    |          |                 |
| QPD.9.6   | Area/City Code                   | 203      | Test Case Fixed |
| QPD.9.7   | Local Number                     | 5551212  | Test Case Fixed |
| QPD.10    | Multiple birth indicator         |          |                 |
| QPD.11    | Birth order                      |          |                 |

### RCP : Response Control Parameter

| Location | Data Element   | Data | Categorization |
|----------|----------------|------|----------------|
| RCP.1    | Query Priority | I    |                |