

## MSH

| 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                             | 20140515001020-0500 |                |
| 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

| 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  | Morales                                | Value-Profile 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                                  | Value-Profile Fixed |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | Maria Gonzales                         | Value-Profile Fixed |
| QPD-4.7   | Name Type Code                                     | L                                      | Value-Profile Fixed |

|           |                                    |                   |                     |
|-----------|------------------------------------|-------------------|---------------------|
| QPD-5     | PatientMotherMaidenName            |                   |                     |
| QPD-5.1   | Family Name                        |                   |                     |
| QPD-5.1.1 | Surname                            | Gonzales          | Value-Profile 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                               | 201505301115      | Value-Profile Fixed |
| QPD-7     | Patient Sex                        | F                 | Value-Profile Fixed |
| QPD-8     | Patient Address                    |                   |                     |
| QPD-8.1   | Street Address                     |                   |                     |
| QPD-8.1.1 | Street or Mailing Address          | 3321 Standish Way |                     |
| QPD-8.1.2 | Street Name                        |                   |                     |
| QPD-8.1.3 | Dwelling Number                    |                   |                     |
| QPD-8.2   | Other Designation                  |                   | Value-Profile Fixed |
| QPD-8.3   | City                               | Stamford          | Value-Profile Fixed |
| QPD-8.4   | State or Province                  | CT                | Value-Profile Fixed |
| QPD-8.5   | Zip or Postal Code                 | 06903             | Value-Profile Fixed |
| QPD-8.6   | Country                            |                   |                     |
| QPD-8.7   | Address Type                       | L                 | Value-Profile Fixed |
| QPD-9     | Phone                              |                   |                     |
| QPD-9.2   | Telecommunication Use Code         | PRN               | Value-Profile Fixed |
| QPD-9.3   | Telecommunication Equipment Type   | PH                | Value-Profile Fixed |
| QPD-9.4   | Email Address                      |                   |                     |
| QPD-9.6   | Area/City Code                     | 203               | Value-Profile Fixed |
| QPD-9.7   | Local Number                       | 5551214           | Value-Profile Fixed |
| QPD-10    | Multiple birth indicator           | 1                 | Value-Profile Fixed |
| QPD-11    | Birth order                        | 2                 | Value-Profile Fixed |

## RCP

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

|           |                                 |  |  |
|-----------|---------------------------------|--|--|
| 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                  |                     |                |
| 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                             | 20140515001020-0500 |                |
| 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            |  |  |

| 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  | Morales                                | Value-Profile 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                                  | Value-Profile Fixed |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | Maria Gonzales                         | Value-Profile Fixed |

|           |                                    |                   |                     |
|-----------|------------------------------------|-------------------|---------------------|
| QPD-4.7   | Name Type Code                     | L                 | Value-Profile Fixed |
| QPD-5     | PatientMotherMaidenName            |                   |                     |
| QPD-5.1   | Family Name                        |                   |                     |
| QPD-5.1.1 | Surname                            | Gonzales          | Value-Profile 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                               | 201505301115      | Value-Profile Fixed |
| QPD-7     | Patient Sex                        | F                 | Value-Profile Fixed |
| QPD-8     | Patient Address                    |                   |                     |
| QPD-8.1   | Street Address                     |                   |                     |
| QPD-8.1.1 | Street or Mailing Address          | 3321 Standish Way |                     |
| QPD-8.1.2 | Street Name                        |                   |                     |
| QPD-8.1.3 | Dwelling Number                    |                   |                     |
| QPD-8.2   | Other Designation                  |                   | Value-Profile Fixed |
| QPD-8.3   | City                               | Stamford          | Value-Profile Fixed |
| QPD-8.4   | State or Province                  | CT                | Value-Profile Fixed |
| QPD-8.5   | Zip or Postal Code                 | 06903             | Value-Profile Fixed |
| QPD-8.6   | Country                            |                   |                     |
| QPD-8.7   | Address Type                       | L                 | Value-Profile Fixed |
| QPD-9     | Phone                              |                   |                     |
| QPD-9.2   | Telecommunication Use Code         | PRN               | Value-Profile Fixed |
| QPD-9.3   | Telecommunication Equipment Type   | PH                | Value-Profile Fixed |
| QPD-9.4   | Email Address                      |                   |                     |
| QPD-9.6   | Area/City Code                     | 203               | Value-Profile Fixed |
| QPD-9.7   | Local Number                       | 5551214           | Value-Profile Fixed |
| QPD-10    | Multiple birth indicator           | 1                 | Value-Profile Fixed |
| QPD-11    | Birth order                        | 2                 | Value-Profile Fixed |

| Location  | Data Element             | Data | Categorization |
|-----------|--------------------------|------|----------------|
| RCP-1     | Query Priority           | I    |                |
| RCP-2     | Quantity Limited Request |      |                |
| RCP-2.1   | Quantity                 |      |                |
| RCP-2.2   | Units                    |      |                |
| RCP-2.2.1 | Identifier               |      |                |
| RCP-2.2.2 | Text                     |      |                |
| RCP-2.2.3 | Name of Coding System    |      |                |
| RCP-2.2.4 | Alternate Identifier     |      |                |
| RCP-2.2.5 | Alternate Text           |      |                |
|           | Name of Alternate        |      |                |

|           |               |  |  |
|-----------|---------------|--|--|
| RCP-2.2.6 | Coding System |  |  |
|-----------|---------------|--|--|