

## MSH

| Location   | Data Element                     | Data                | Categorization |
|------------|----------------------------------|---------------------|----------------|
| MSH-1      | Field Separator                  |                     |                |
| MSH-2      | Encoding Characters              | ^~\&                |                |
| MSH-3      | Sending Application              |                     |                |
| MSH-3.1    | Namespace ID                     | MyIIS               |                |
| MSH-3.2    | Universal ID                     |                     |                |
| MSH-3.3    | Universal ID Type                |                     |                |
| MSH-4      | Sending Facility                 |                     |                |
| MSH-4.1    | Namespace ID                     | StatePH             |                |
| MSH-4.2    | Universal ID                     |                     |                |
| MSH-4.3    | Universal ID Type                |                     |                |
| MSH-5      | Receiving Application            |                     |                |
| MSH-5.1    | Namespace ID                     | MYEHR               |                |
| MSH-5.2    | Universal ID                     |                     |                |
| MSH-5.3    | Universal ID Type                |                     |                |
| MSH-6      | Receiving Facility               |                     |                |
| MSH-6.1    | Namespace ID                     | DCS                 |                |
| MSH-6.2    | Universal ID                     |                     |                |
| MSH-6.3    | Universal ID Type                |                     |                |
| MSH-7      | Date/Time Of Message             |                     |                |
| MSH-7.1    | Time                             | 20151031145233-0500 |                |
| MSH-9      | Message Type                     |                     |                |
| MSH-9.1    | Message Code                     | RSP                 |                |
| MSH-9.2    | Trigger Event                    | K11                 |                |
| MSH-9.3    | Message Structure                | RSP_K11             |                |
| MSH-10     | Message Control ID               | 3533469             |                |
| 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       | NE                  |                |
| MSH-16     | Application Acknowledgment Type  | NE                  |                |
| MSH-21     | Message Profile Identifier       |                     |                |
| MSH-21.1   | Entity Identifier                | Z33                 |                |
| 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                | DCS                 |                |
| MSH-22.6   | Assigning Authority              |                     |                |
| MSH-22.6.1 | Namespace ID                     | DCS                 |                |
| MSH-22.6.2 | Universal ID                     |                     |                |
| MSH-22.6.3 | Universal ID Type                |                     |                |

|            |                                    |         |  |
|------------|------------------------------------|---------|--|
| MSH-22.7   | Identifier Type Code               | XX      |  |
| MSH-22.10  | Organization Identifier            | 6439432 |  |
| MSH-23     | Receiving Responsible Organization |         |  |
| MSH-23.1   | Organization Name                  | StatePH |  |
| 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            |         |  |

### MSA

| Location | Data Element        | Data      | Categorization |
|----------|---------------------|-----------|----------------|
| MSA-1    | Acknowledgment Code | AA        |                |
| MSA-2    | Message Control ID  | 993533469 |                |

### QAK

| Location | Data Element                    | Data                                      | Categorization |
|----------|---------------------------------|---|----------------|
| QAK-1    | Query Tag                       | 37374859                                  |                |
| QAK-2    | Query Response Status           | NF  |                |
| QAK-3    | Message Query Name              |   |                |
| QAK-3.1  | Identifier                      | Z44                                       |                |
| QAK-3.2  | Text                            | request evaluated<br>Immunization history |                |
| QAK-3.3  | Name of Coding System           | CDCPHINVS                                 |                |
| QAK-3.5  | Alternate Text                  |   |                |
| QAK-3.6  | Name of Alternate Coding System |   |                |

### QPD

| Location | Data Element                    | Data                                      | Categorization |
|----------|---------------------------------|---|----------------|
| QPD-1    | Message Query Name              |   |                |
| QPD-1.1  | Identifier                      | Z44                                       |                |
| QPD-1.2  | Text                            | Request Evaluated<br>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  | 177993456       |  |
| 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  | Standard        |  |
| 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   | Sam             |  |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | S               |  |
| QPD-4.7   | Name Type Code                                     | L               |  |
| QPD-5     | PatientMotherMaidenName                            |                 |  |
| QPD-5.1   | Family Name  |                 |  |
| QPD-5.1.1 | Surname  |                 |  |
| 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                                     |                 |  |
| QPD-6     | PatientDateOfBirth                                 |                 |  |
| QPD-6.1   | Time   | 19800214        |  |
| QPD-7     | Patient Sex  | M               |  |
| QPD-8     | Patient Address                                    |                 |  |
| QPD-8.1   | Street Address                                     |                 |  |
| QPD-8.1.1 | Street or Mailing Address                          | 10 East Main St |  |
| QPD-8.1.2 | Street Name  |                 |  |
| QPD-8.1.3 | Dwelling Number                                    |                 |  |
| QPD-8.2   | Other Designation                                  |                 |  |
| QPD-8.3   | City   | Pretty Valley   |  |
| QPD-8.4   | State or Province                                  | MI              |  |
| QPD-8.5   | Zip or Postal Code                                 |                 |  |
| QPD-8.6   | Country  |                 |  |

|         |                                  |         |  |
|---------|----------------------------------|---------|--|
| QPD-8.7 | Address Type                     | L       |  |
| QPD-9   | Phone                            |         |  |
| QPD-9.2 | Telecommunication Use Code       | PRN     |  |
| QPD-9.3 | Telecommunication Equipment Type | PH      |  |
| QPD-9.4 | Email Address                    |         |  |
| QPD-9.6 | Area/City Code                   | 734     |  |
| QPD-9.7 | Local Number                     | 5556712 |  |
| QPD-10  | Multiple birth indicator         |         |  |
| QPD-11  | Birth order                      |         |  |

| Location | Data Element                    | Data                | Categorization |
|----------|---------------------------------|---------------------|----------------|
| MSH-1    | Field Separator                 |                     |                |
| MSH-2    | Encoding Characters             | ^~&                 |                |
| MSH-3    | Sending Application             |                     |                |
| MSH-3.1  | Namespace ID                    | MyIIS               |                |
| MSH-3.2  | Universal ID                    |                     |                |
| MSH-3.3  | Universal ID Type               |                     |                |
| MSH-4    | Sending Facility                |                     |                |
| MSH-4.1  | Namespace ID                    | StatePH             |                |
| MSH-4.2  | Universal ID                    |                     |                |
| MSH-4.3  | Universal ID Type               |                     |                |
| MSH-5    | Receiving Application           |                     |                |
| MSH-5.1  | Namespace ID                    | MYEHR               |                |
| MSH-5.2  | Universal ID                    |                     |                |
| MSH-5.3  | Universal ID Type               |                     |                |
| MSH-6    | Receiving Facility              |                     |                |
| MSH-6.1  | Namespace ID                    | DCS                 |                |
| MSH-6.2  | Universal ID                    |                     |                |
| MSH-6.3  | Universal ID Type               |                     |                |
| MSH-7    | Date/Time Of Message            |                     |                |
| MSH-7.1  | Time                            | 20151031145233-0500 |                |
| MSH-9    | Message Type                    |                     |                |
| MSH-9.1  | Message Code                    | RSP                 |                |
| MSH-9.2  | Trigger Event                   | K11                 |                |
| MSH-9.3  | Message Structure               | RSP_K11             |                |
| MSH-10   | Message Control ID              | 3533469             |                |
| 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      | NE                  |                |
| MSH-16   | Application Acknowledgment Type | NE                  |                |
| MSH-21   | Message Profile Identifier      |                     |                |
| MSH-21.1 | Entity Identifier               | Z33                 |                |

|            |                                    |           |  |
|------------|------------------------------------|-----------|--|
| 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                  | DCS       |  |
| MSH-22.6   | Assigning Authority                |           |  |
| MSH-22.6.1 | Namespace ID                       | DCS       |  |
| MSH-22.6.2 | Universal ID                       |           |  |
| MSH-22.6.3 | Universal ID Type                  |           |  |
| MSH-22.7   | Identifier Type Code               | XX        |  |
| MSH-22.10  | Organization Identifier            | 6439432   |  |
| MSH-23     | Receiving Responsible Organization |           |  |
| MSH-23.1   | Organization Name                  | StatePH   |  |
| 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 |
|----------|---------------------|-----------|----------------|
| MSA-1    | Acknowledgment Code | AA        |                |
| MSA-2    | Message Control ID  | 993533469 |                |

| Location | Data Element                    | Data                                      | Categorization |
|----------|---------------------------------|---|----------------|
| QAK-1    | Query Tag                       | 37374859                                  |                |
| QAK-2    | Query Response Status           | NF  |                |
| QAK-3    | Message Query Name              |   |                |
| QAK-3.1  | Identifier                      | Z44                                       |                |
| QAK-3.2  | Text                            | request evaluated<br>Immunization history |                |
| QAK-3.3  | Name of Coding System           | CDCPHINVS                                 |                |
| QAK-3.5  | Alternate Text                  |   |                |
| QAK-3.6  | Name of Alternate Coding System |   |                |

| Location | Data Element          | Data                                      | Categorization |
|----------|-----------------------|---|----------------|
| QPD-1    | Message Query Name    |   |                |
| QPD-1.1  | Identifier            | Z44                                       |                |
| QPD-1.2  | Text                  | Request Evaluated<br>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  | 177993456       |  |
| 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  | Standard        |  |
| 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   | Sam             |  |
| QPD-4.3   | Second and Further Given Names or Initials Thereof | S               |  |
| QPD-4.7   | Name Type Code                                     | L               |  |
| QPD-5     | PatientMotherMaidenName                            |                 |  |
| QPD-5.1   | Family Name  |                 |  |
| QPD-5.1.1 | Surname  |                 |  |
| 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                                     |                 |  |
| QPD-6     | PatientDateOfBirth                                 |                 |  |
| QPD-6.1   | Time   | 19800214        |  |
| QPD-7     | Patient Sex  | M               |  |
| QPD-8     | Patient Address                                    |                 |  |
| QPD-8.1   | Street Address                                     |                 |  |
| QPD-8.1.1 | Street or Mailing Address                          | 10 East Main St |  |
| QPD-8.1.2 | Street Name  |                 |  |
| QPD-8.1.3 | Dwelling Number                                    |                 |  |
| QPD-8.2   | Other Designation                                  |                 |  |
| QPD-8.3   | City   | Pretty Valley   |  |
| QPD-8.4   | State or Province                                  | MI              |  |
| QPD-8.5   | Zip or Postal Code                                 |                 |  |
| QPD-8.6   | Country  |                 |  |
| QPD-8.7   | Address Type                                       | L               |  |
|           |  |                 |  |

|         |                                  |         |  |
|---------|----------------------------------|---------|--|
| QPD-9   | Phone                            |         |  |
| QPD-9.2 | Telecommunication Use Code       | PRN     |  |
| QPD-9.3 | Telecommunication Equipment Type | PH      |  |
| QPD-9.4 | Email Address                    |         |  |
| QPD-9.6 | Area/City Code                   | 734     |  |
| QPD-9.7 | Local Number                     | 5556712 |  |
| QPD-10  | Multiple birth indicator         |         |  |
| QPD-11  | Birth order                      |         |  |