

## MSH

| Location | Data Element                     | Data                 | Categorization                   |
|----------|----------------------------------|----------------------|----------------------------------|
| MSH-1    | Field Separator                  |                      | Presence Length-System Generated |
| MSH-2    | Encoding Characters              | ^~\&                 | Presence Length-System Generated |
| MSH-3    | Sending Application              |                      |                                  |
| MSH-3.1  | Namespace ID                     | NIST APP             | Value-Profile Fixed              |
| MSH-3.2  | Universal ID                     |                      |                                  |
| MSH-3.3  | Universal ID Type                |                      |                                  |
| MSH-4    | Sending Facility                 |                      |                                  |
| MSH-4.1  | Namespace ID                     | NIST Test Iz Reg     | Value-Profile Fixed              |
| MSH-4.2  | Universal ID                     |                      |                                  |
| MSH-4.3  | Universal ID Type                |                      |                                  |
| MSH-5    | Receiving Application            |                      |                                  |
| MSH-5.1  | Namespace ID                     | Test EHR Application | Value-Profile Fixed              |
| MSH-5.2  | Universal ID                     |                      |                                  |
| MSH-5.3  | Universal ID Type                |                      |                                  |
| MSH-6    | Receiving Facility               |                      |                                  |
| MSH-6.1  | Namespace ID                     | X68                  | Value-Profile Fixed              |
| MSH-6.2  | Universal ID                     |                      |                                  |
| MSH-6.3  | Universal ID Type                |                      |                                  |
| MSH-7    | Date/Time Of Message             |                      |                                  |
| MSH-7.1  | Time                             | 200906040000-0500    | Presence-System Generated        |
| MSH-9    | Message Type                     |                      |                                  |
| MSH-9.1  | Message Code                     | ACK                  |                                  |
| MSH-9.2  | Trigger Event                    | V04                  |                                  |
| MSH-9.3  | Message Structure                | ACK                  |                                  |
| MSH-10   | Message Control ID               | NIST-IZ-ACK-001.01   | Value-Profile Fixed              |
| MSH-11   | Processing ID                    |                      |                                  |
| MSH-11.1 | Processing ID                    | T                    | Value-Profile Fixed              |
| MSH-12   | Version ID                       |                      |                                  |
| MSH-12.1 | Version ID                       | 2.5.1                | Presence Length-System Generated |
| MSH-15   | Accept Acknowledgment Type       | NE                   | Presence Length-System Generated |
| MSH-16   | Application Acknowledgment Type  | NE                   | Presence Length-System Generated |
| MSH-21   | Message Profile Identifier       |                      |                                  |
| MSH-21.1 | Entity Identifier                | Z23                  | Presence Length-System Generated |
| MSH-21.2 | Namespace ID                     | CDCPHINVS            | Presence Length-System Generated |
| 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            |  |  |

### MSA

| Location | Data Element        | Data           | Categorization      |
|----------|---------------------|----------------|---------------------|
| MSA-1    | Acknowledgment Code | AA             | Value-Profile Fixed |
| MSA-2    | Message Control ID  | NIST-IZ-001.01 | Value-Profile Fixed |

| Location | Data Element          | Data                 | Categorization                   |
|----------|-----------------------|----------------------|----------------------------------|
| MSH-1    | Field Separator       |                      | Presence Length-System Generated |
| MSH-2    | Encoding Characters   | ^~&                  | Presence Length-System Generated |
| MSH-3    | Sending Application   |                      |                                  |
| MSH-3.1  | Namespace ID          | NIST APP             | Value-Profile Fixed              |
| MSH-3.2  | Universal ID          |                      |                                  |
| MSH-3.3  | Universal ID Type     |                      |                                  |
| MSH-4    | Sending Facility      |                      |                                  |
| MSH-4.1  | Namespace ID          | NIST Test Iz Reg     | Value-Profile Fixed              |
| MSH-4.2  | Universal ID          |                      |                                  |
| MSH-4.3  | Universal ID Type     |                      |                                  |
| MSH-5    | Receiving Application |                      |                                  |
| MSH-5.1  | Namespace ID          | Test EHR Application | Value-Profile Fixed              |
| MSH-5.2  | Universal ID          |                      |                                  |
| MSH-5.3  | Universal ID Type     |                      |                                  |
| MSH-6    | Receiving Facility    |                      |                                  |
| MSH-6.1  | Namespace ID          | X68                  | Value-Profile Fixed              |
| MSH-6.2  | Universal ID          |                      |                                  |
| MSH-6.3  | Universal ID Type     |                      |                                  |

|            |                                    |                    |                                  |
|------------|------------------------------------|--------------------|----------------------------------|
| MSH-7      | Date/Time Of Message               |                    |                                  |
| MSH-7.1    | Time                               | 200906040000-0500  | Presence-System Generated        |
| MSH-9      | Message Type                       |                    |                                  |
| MSH-9.1    | Message Code                       | ACK                |                                  |
| MSH-9.2    | Trigger Event                      | V04                |                                  |
| MSH-9.3    | Message Structure                  | ACK                |                                  |
| MSH-10     | Message Control ID                 | NIST-IZ-ACK-001.01 | Value-Profile Fixed              |
| MSH-11     | Processing ID                      |                    |                                  |
| MSH-11.1   | Processing ID                      | T                  | Value-Profile Fixed              |
| MSH-12     | Version ID                         |                    |                                  |
| MSH-12.1   | Version ID                         | 2.5.1              | Presence Length-System Generated |
| MSH-15     | Accept Acknowledgment Type         | NE                 | Presence Length-System Generated |
| MSH-16     | Application Acknowledgment Type    | NE                 | Presence Length-System Generated |
| MSH-21     | Message Profile Identifier         |                    |                                  |
| MSH-21.1   | Entity Identifier                  | Z23                | Presence Length-System Generated |
| MSH-21.2   | Namespace ID                       | CDCPHINVS          | Presence Length-System Generated |
| 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      |
|----------|---------------------|----------------|---------------------|
| MSA-1    | Acknowledgment Code | AA             | Value-Profile Fixed |
| MSA-2    | Message Control ID  | NIST-IZ-001.01 | Value-Profile Fixed |