ORU^R01^ORU\_R01: Observation Message

| Segments | Description | Status | Chapter |
| --- | --- | --- | --- |
| MSH | Message Header |  | 2 |
| [{ ARV}] | Access Restrictions |  | 3 |
| [{ SFT }] | Software Segment |  | 2 |
| [UAC] | User Authentication Credential |  | 2 |
| { | --- PATIENT\_RESULT begin |  |  |
| [ | --- PATIENT begin |  |  |
| PID | Patient Identification |  | 3 |
| [PD1] | Additional Demographics |  | 3 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (for Patient) |  | 7 |
| [{[OH1](#OH1)}] | Employment Status |  | 3 |
| [{[OH2](#OH2)}] | Past or Present Job |  | 3 |
| [[OH3](#OH3)] | Usual Work |  | 3 |
| [{[OH4](#OH4)}] | Combat Zone Work |  | 3 |
| [{NTE}] | Notes and Comments |  | 2 |
| [{ | --- NEXT\_OF\_KIN begin |  |  |
| NK1 | Next of Kin/Associated Parties |  | 3 |
| [{[OH2](#OH2)}] | Past or Present Job |  | 3 |
| [[OH3](#OH3)] | Usual Work |  | 3 |
| }] | --- NEXT\_OF\_KIN end |  |  |
| [{ARV}] | For backwards compatibility only as of V2.9 | B | 3 |
| [{ | --- PATIENT\_OBSERVATION begin |  |  |
| [OBX](#_OBX_-_Observation/Result) | Observation (for Patient ID) |  | 7 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (Observation Participation) |  | 7 |
| }] | --- PATIENT\_OBSERVATION end |  |  |
| [ | --- VISIT begin |  |  |
| PV1 | Patient Visit |  | 3 |
| [PV2] | Patient Visit - Additional Info |  | 3 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (for Patient Visit) |  | 7 |
| ] | --- VISIT end |  |  |
| [{ | --- INSURANCE begin |  |  |
| IN1 | Insurance |  | 6 |
| [IN2] | Insurance Additional Information |  | 6 |
| [IN3] | Insurance Additional Information, Certification |  | 6 |
| }] | --- INSURANCE end |  |  |
| ] | --- PATIENT end |  |  |
| { | --- ORDER\_OBSERVATION begin |  |  |
| [ | --- COMMON\_ORDER begin |  |  |
| ORC | Order common |  | 4 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (for Observation) |  | 7 |
| [ | --- ORDER\_DOCUMENT begin |  |  |
| OBX | Observation containing Document |  | 7 |
| [{PRT}] | Participation |  | 7 |
| TXA | Transcription Document Header |  | 9 |
| ] | --- ORDER\_DOCUMENT end |  |  |
| ] | --- COMMON\_ORDER end |  |  |
| [OBR](#OBR) | Observations Request |  | 7 |
| [{NTE}] | Notes and comments |  | 2 |
| [{ | --- OBSERVATION\_PARTICIPATION begin |  |  |
| [PRT](#_PRT_–_Participation) | Participation (for Observation) |  | 7 |
| [{DEV}] | Device |  | 17 |
| }] | --- OBSERVATION\_PARTICIPATION end |  |  |
| [{ | --- TIMING\_QTY begin |  |  |
| TQ1 | Timing/Quantity |  | 4 |
| [{TQ2}] | Timing/Quantity Order Sequence |  | 4 |
| }] | --- TIMING\_QTY end |  |  |
| [CTD] | Contact Data |  | 11 |
| [{ | --- OBSERVATION begin |  |  |
| [OBX](#OBX) | Observation related to OBR |  | 7 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (Observation Participation) |  | 7 |
| {[NTE]} | Notes and comments |  | 2 |
| }] | --- OBSERVATION end |  |  |
| [{FT1}] | Financial Transaction |  | 6 |
| {[[CTI](#CTI)]} | Clinical Trial Identification |  | 7 |
| [{ | --- SPECIMEN begin |  |  |
| [SPM](#SPM) | Specimen |  |  |
| [{ | --- SPECIMEN\_OBSERVATION begin |  |  |
| [OBX](#OBX) | Observation (for Patient ID) |  | 7 |
| [{[PRT](#_PRT_–_Participation)}] | Participation (Observation Participation) |  | 7 |
| }] | --- SPECIMEN\_OBSERVATION end |  |  |
| }] | --- SPECIMEN end |  |  |
| } | --- ORDER\_OBSERVATION end |  |  |
| [{ | --- DEVICE begin |  |  |
| DEV | Device (for Participation) |  | 17 |
| [{OBX}] | Observation/Result |  | 7 |
| }] | --- DEVICE end |  |  |
| } | --- PATIENT\_RESULT end |  |  |
| [DSC] | Continuation Pointer |  | 2 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Acknowledgement Choreography | | | | |
| ORU^R01^ORU\_R01 | | | | |
| Field name | Field Value: Original mode | Field value: Enhanced mode | | |
| MSH-15 | Blank | NE | NE | AL, SU, ER |
| MSH-16 | Blank | NE | AL, SU, ER | AL, SU, ER |
| Immediate Ack | - | - | - | ACK^R01^ACK |
| Application Ack | ACK^R01^ACK | - | ACK^R01^ACK | ACK^R01^ACK |

**Note:** The ORC is permitted but not required in this message. Any information that could be included in either the ORC or the OBR must be included in the OBR on reporting. Notice also that the ORU (and the QRY) messages accommodate reports about many patients.

Many report headers (OBR) may be sent beneath each patient segment, with many separate observation segments (OBX) related to the order / observation request beneath each OBR. OBX segments that are related to specimens immediately follow the SPM segments. Note segments (NTE) may be inserted at different locations in the message. The note segment applies to the entity that immediately precedes it, i.e., the patient if it follows the PID segment, the observation request if it follows the OBR segment, and the individual result if it follows the OBX segment.

ACK^R01^ACK: Observation Message

| Segments | Description | Status | Chapter |
| --- | --- | --- | --- |
| MSH | Message header |  | 2 |
| [{ SFT }] | Software segment |  | 2 |
| [UAC] | User Authentication Credential |  | 2 |
| MSA | Message acknowledgment |  | 2 |
| [{ ERR }] | Error |  | 2 |

|  |  |  |  |
| --- | --- | --- | --- |
| Acknowledgement Choreography | | | |
| ACK^R01^ACK | | | |
| Field name | Field Value: Original mode | Field Value: Enhanced Mode | |
| MSH-15 | Blank | NE | AL, ER, SU |
| MSH-16 | Blank | NE | NE |
| Immediate Ack | - | - | ACK^R01^ACK |
| Application Ack | - | - | - |

There is not supposed to be an Application Level acknowledgement to an Application Level Acknowledgement message. In Enhanced Mode, MSH-16 SHALL always be set to NE (Never).