## TABLE OF CONTENTS
| Unnamed: 0 | Unnamed: 1 | Unnamed: 2 | Unnamed: 3 |
| --- | --- | --- | --- |
| NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN |
| NaN | NaN | NaN | NaN |
| athenahealth HL7 Native Data Structure\n\nThank you for reviewing the athenahealth native HL7 data structure. This document identifies the data athenahealth captures by default and the fields/components in which they are sent (inbound messages from athena). By default athenahealth will not send or process any field listed as “\*Not Specified\*” or is not included in the specification.\n\nVersion: 20.6\nLast Updated: 06/16/2020 | NaN | NaN | NaN |
| Please note, there is a filter on the 'field name' column on both the lab and imaging specifications which hides any 'NOT SPECIFIED' fields. If you need to see the NOT SPECIFIED fields, please remove the filter. | NaN | NaN | NaN |
| Table of Contents | NaN | NaN | NaN |
| ORU | NaN | NaN | Provides the layout of HL7 messages type(s) that athena expects by default to receive inbound results |
| Sample Messages | NaN | NaN | Provides sample ORU^R01 messages for lab and rad |
| Minimum Required Fields | NaN | NaN | Minimum Required Fields for processing result messages |
| Document Change Log | NaN | NaN | Document version history |

## ORU Spec
| MSG Category | Direction | MSG TYPE | Segment | Field | Field Name | Comments | Syntax |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ORU | Inbound | R01 | MSH | 1 | Field Separator | Required. This field contains the separator between the segment ID (MSH) and the first real field, MSH-2-encoding characters. | The expected value is |, (ASCII 124). |
| ORU | Inbound | R01 | MSH | 2 | Encoding Characters | Required. This field contains the four characters in the following order: the component separator, repetition separator, escape character, and subcomponent separator. | The expected values are ^~\& (ASCII 94, 126, 92, and 38, respectively). |
| ORU | Inbound | R01 | MSH | 3 | Sending Application | Required. This field identifies the type of result. All types of laboratory results (microbiology, pathology, ect.) may be indicated as laboratory results. | LAB, RAD, or TRN are typically used to identify the result type. |
| ORU | Inbound | R01 | MSH | 4 | Sending Facility | Required. This field indicates the primary sending facility. If results are obtained from outreach facilities, this should be indicated in an NTE segments associated with the observation or observation fragment. | An identifier for the primary sending facility. |
| ORU | Inbound | R01 | MSH | 5 | Receiving Application | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 6 | Receiving Facility | Required. This field identifies the receiving facility. | A unique identifier associated to the physician’s practice is sent here. |
| ORU | Inbound | R01 | MSH | 7 | Date/Time of Message | Required. Date and time associated with the message. | NaN |
| ORU | Inbound | R01 | MSH | 8 | Security | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 9 | Message Type | Required. This field identifies the type of result and event trigger. | ORU^R01 or ORU^R03 |
| ORU | Inbound | R01 | MSH | 10 | Message Control ID | Required. This field should be used as a unique identifier for the message. The athenaNet MX Engine will not process duplicate messages. | NaN |
| ORU | Inbound | R01 | MSH | 11 | Processing ID | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 12 | Version ID | Required. The athenaNet MX Engine is backwards compatible with 2.2, 2.3, 2.3.1, 2.4, and 2.5 | 2.5.1 or HL7 message version. |
| ORU | Inbound | R01 | MSH | 13 | Sequence Number | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 14 | Continuation Pointer | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 15 | Accept Acknowledgment Type | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 16 | Application Acknowledgement Type | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 17 | Country Code | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 18 | Character Set | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 19 | Principal Language of Message | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 20 | Alternate Character Set Handling Scheme | Not Required. | NaN |
| ORU | Inbound | R01 | MSH | 21 | Message Profile Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 1 | Set ID - PID | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 2 | Patient ID | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 3 | Patient Identifier List | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 4 | Alternate Patient ID - PID | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 5 | Patient Name | The patient name is necessary for patient matching logic. | lastname^firstname^middleinitial |
| ORU | Inbound | R01 | PID | 6 | Mother’s Maiden Name | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 7 | Date/Time of Birth | The patient date of birth is necessary for patient matching logic. | YYYYMMDD |
| ORU | Inbound | R01 | PID | 8 | Administrative Sex | Not Required. Utilized to display in the ‘Lab Demographics’ information for the ‘Patient’ section of the result document header. | NaN |
| ORU | Inbound | R01 | PID | 9 | Patient Alias | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 10 | Race | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 11 | Patient Address | Not Required. Utilized to display in the ‘Lab Demographics’ information for the ‘Patient’ section of the result document header. | NaN |
| ORU | Inbound | R01 | PID | 12 | County Code | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 13 | Phone Number - Home | Not Required. Utilized to display in the ‘Lab Demographics’ information for the ‘Patient’ section of the result document header. | NaN |
| ORU | Inbound | R01 | PID | 14 | Phone Number - Business | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 15 | Primary Language | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 16 | Marital Status | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 17 | Religion | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 18 | Patient Account Number | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 19 | SSN Number - Patient | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 20 | Driver's License Number - Patient | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 21 | Mother's Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 22 | Ethnic Group | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 23 | Birth Place | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 24 | Multiple Birth Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 25 | Birth Order | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 26 | Citizenship | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 27 | Veterans Military Status | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 28 | Nationality | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 29 | Patient Death Date and Time | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 30 | Patient Death Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 31 | Identity Unknown Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 32 | Identity Reliability Code | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 33 | Last Update Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 34 | Last Update Facility | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 35 | Species Code | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 36 | Breed Code | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 37 | Strain | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 38 | Production Class Code | Not Required. | NaN |
| ORU | Inbound | R01 | PID | 39 | Tribal Citizenship | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 1 | Living Dependency | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 2 | Living Arrangement | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 3 | Patient Primary Facility | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 4 | Patient Primary Care Provider Name & ID No. | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | PD1 | 5 | Student Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 6 | Handicap | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 7 | Living Will Code | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 8 | Organ Donor Code | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 9 | Separate Bill | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 10 | Duplicate Patient | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 11 | Publicity Code | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 12 | Protection Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 13 | Protection Indicator Effective Date | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 14 | Place of Worship | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 15 | Advance Directive Code | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 16 | Immunization Registry Status | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 17 | Immunization Registry Status Effective Date | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 18 | Publicity Code Effective Date | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 19 | Military Branch | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 20 | Military Rank/Grade | Not Required. | NaN |
| ORU | Inbound | R01 | PD1 | 21 | Military Status | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 1 | Set ID - PV1 | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 2 | Patient Class | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 3 | Assigned Patient Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 4 | Admission Type | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 5 | Preadmit Number | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 6 | Prior Patient Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 7 | Attending Doctor | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | PV1 | 8 | Referring Doctor | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | PV1 | 9 | Consulting Doctor | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | PV1 | 10 | Hospital Service | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 11 | Temporary Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 12 | Preadmit Test Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 13 | Re-admission Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 14 | Admit Source | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 15 | Ambulatory Status | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 16 | VIP Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 17 | Admitting Doctor | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | PV1 | 18 | Patient Type | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 19 | Visit Number | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 20 | Financial Class | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 21 | Charge Price Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 22 | Courtesy Code | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 23 | Credit Rating | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 24 | Contract Code | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 25 | Contract Effective Date | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 26 | Contract Amount | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 27 | Contract Period | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 28 | Interest Code | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 29 | Transfer to Bad Debt Code | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 30 | Transfer to Bad Debt Date | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 31 | Bad Debt Agency Code | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 32 | Bad Debt Transfer Amount | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 33 | Bad Debt Recovery Amount | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 34 | Delete Account Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 35 | Delete Account Date | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 36 | Discharge Disposition | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 37 | Discharged to Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 38 | Diet Type | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 39 | Servicing Facility | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 40 | Bed Status | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 41 | Account Status | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 42 | Pending Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 43 | Prior Temporary Location | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 44 | Admit Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 45 | Discharge Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 46 | Current Patient Balance | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 47 | Total Charges | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 48 | Total Adjustments | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 49 | Total Payments | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 50 | Alternate Visit ID | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 51 | Visit Indicator | Not Required. | NaN |
| ORU | Inbound | R01 | PV1 | 52 | Other Healthcare Provider | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | ORC | 1 | Order Control | Not Required. | Order Control ID |
| ORU | Inbound | R01 | ORC | 2 | Placer Order Number | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 3 | Filler Order Number | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 4 | Placer Group Number | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 5 | Order Status | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 6 | Response Flag | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 7 | Quantity/Timing | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 8 | Parent | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 9 | Date/Time of Transaction | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 10 | Entered By | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 11 | Verified By | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 12 | Ordering Provider | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | ORC | 13 | Enterer's Location | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 14 | Call Back Phone Number | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 15 | Order Effective Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 16 | Order Control Code Reason | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 17 | Entering Organization | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 18 | Entering Device | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 19 | Action By | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 20 | Advanced Beneficiary Notice Code | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 21 | Ordering Facility Name | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 22 | Ordering Facility Address | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 23 | Ordering Facility Phone Number | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 24 | Ordering Provider Address | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 25 | Order Status Modifier | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 26 | Advanced Beneficiary Notice Override Reason | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 27 | Filler's Expected Availability Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 28 | Confidentiality Code | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 29 | Order Type | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 30 | Enterer Authorization Mode | Not Required. | NaN |
| ORU | Inbound | R01 | ORC | 31 | Parent Universal Service Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 1 | Set ID - OBR | This field represents the sequence number. | NaN |
| ORU | Inbound | R01 | OBR | 2 | Placer Order Number | Not Required. This field is the ordering facility’s order number. | NaN |
| ORU | Inbound | R01 | OBR | 3 | Filler Order Number | Not Required. This field is the order filler’s order number. Also known as the external accession identifier, this field is interpreted as the ‘Specimen/Accession ID’ on a result document. | NaN |
| ORU | Inbound | R01 | OBR | 4 | Universal Service Identifier | This field represents the code and description. For laboratory and imaging results, descriptions are displayed in the chart. | code^description |
| ORU | Inbound | R01 | OBR | 5 | Priority - OBR | A “1” indicates the result is urgent.”2” or no value indicates the result is not urgent. | 1 or 2, 1 will indicate the result is “Urgent”. |
| ORU | Inbound | R01 | OBR | 6 | Requested Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 7 | Observation Date/Time | This field is interpreted as the ‘Specimen Coll. Date’ on a result document. | NaN |
| ORU | Inbound | R01 | OBR | 8 | Observation End Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 9 | Collection Volume | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 10 | Collector Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 11 | Specimen Action Code | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 12 | Danger Code | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 13 | Relevant Clinical Information | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 14 | Specimen Received Date/Time | Used for backwards compatibility. This field is interpreted as the ‘Specimen Rec. Date’ on a result document. | NaN |
| ORU | Inbound | R01 | OBR | 15 | Specimen Source | Used for backwards compatibility. This field is interpreted as the ‘Specimen Source’ on a result document. | NaN |
| ORU | Inbound | R01 | OBR | 16 | Ordering Provider | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | OBR | 17 | Order Callback Phone Number | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 18 | Placer Field 1 | Not Required. This field is the default for document-level PACS link functionality within athenaNet. | NaN |
| ORU | Inbound | R01 | OBR | 19 | Placer Field 2 | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 20 | Filler Field 1 | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 21 | Filler Field 2 | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 22 | Results Rpt/Status Chng - Date/Time | This field is interpreted as the ‘Specimen Reported Date’ on a result document. | NaN |
| ORU | Inbound | R01 | OBR | 23 | Charge to Practice | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 24 | Diagnostic Serv Sect ID | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 25 | Result Status | This field is used to indicate the result’s overall status. For a list of the default statuses, please see the Observation and Result Flags section. | NaN |
| ORU | Inbound | R01 | OBR | 26 | Parent Result | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 27 | Quantity/Timing | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 28 | Result Copies To | This field is not required when another provider-related field is used. This field is used for athenaNet provider routing logic. | providerid^lastname^firstname |
| ORU | Inbound | R01 | OBR | 29 | Parent | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Transportation Mode | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Reason for Study | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Principal Result Interpreter | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Assistant Result Interpreter | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Technician | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Transcriptionist | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Scheduled Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Number of Sample Containers | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Transport Logistics of Collected Sample | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Collector's Comment | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Transport Arrangement Responsibility | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Transport Arranged | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Escort Required | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Planned Patient Transport Comment | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Procedure Code | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Procedure Code Modifier | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Placer Supplemental Service Information | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Filler Supplemental Service Information | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Medically Necessary Duplicate Procedure Reason | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Result Handling | Not Required. | NaN |
| ORU | Inbound | R01 | OBR | 29 | Parent Universal Service Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 1 | Set ID – OBX | This field represents the sequence number. | NaN |
| ORU | Inbound | R01 | OBX | 2 | Value Type | This field contains the observation value (OBX-5) format. | NaN |
| ORU | Inbound | R01 | OBX | 3 | Observation Identifier | Required to indicate the name of the analyte. The analyte name is determined by the second component. | code^description |
| ORU | Inbound | R01 | OBX | 4 | Observation Sub-ID | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 5 | Observation Value | This field is used to indicate the ‘Result’ field for an observation. | NaN |
| ORU | Inbound | R01 | OBX | 6 | Units | This field is used to indicate the ‘Units’ of an observation. | NaN |
| ORU | Inbound | R01 | OBX | 7 | References Range | This field is used as the ‘Ref. Range’ for an observation. | NaN |
| ORU | Inbound | R01 | OBX | 8 | Abnormal Flags | This value in this field will indicate the normalcy status of an observation. For a list of the default statuses, please see the Observation and Result Flags section. | NaN |
| ORU | Inbound | R01 | OBX | 9 | Probability | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 10 | Nature of Abnormal Test | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 11 | Observation Result Status | This field will display the observation or observation fragment’s result status. For a list of the default statuses, please see the Observation and Result Flags section. | NaN |
| ORU | Inbound | R01 | OBX | 12 | Effective Date of Reference Range Values | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 13 | User Defined Access Checks | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 14 | Date/Time of the Observation | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 15 | Producer's Reference | This field can be used to indicate the responsible producing service of the observation fragment. It displays as the ‘Lab’ next to an individual analyte. | NaN |
| ORU | Inbound | R01 | OBX | 16 | Responsible Observer | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 17 | Observation Method | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 18 | Equipment Instance Identifier | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 19 | Date/Time of the Analysis | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 20 | Reserved for harmonization with V2.6 | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 21 | Reserved for harmonization with V2.6 | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 22 | Reserved for harmonization with V2.6 | Not Required. | NaN |
| ORU | Inbound | R01 | OBX | 23 | Performing Organization Name | This field is used to display the performing facility information on a result document. | NaN |
| ORU | Inbound | R01 | OBX | 24 | Performing Organization Address | This field is used to display the performing facility information on a result document. | NaN |
| ORU | Inbound | R01 | OBX | 25 | Performing Organization Medical Director | This field is used to display the performing facility information on a result document. | NaN |
| ORU | Inbound | R01 | SPM | 1 | Set ID – SPM | This field represents the sequence number. | NaN |
| ORU | Inbound | R01 | SPM | 2 | Specimen ID | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 3 | Specimen Parent IDs | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 4 | Specimen Type | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 5 | Specimen Type Modifier | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 6 | Specimen Additives | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 7 | Specimen Collection Method | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 8 | Specimen Source Site | This field is interpreted as the ‘Specimen Source’ on a result document. | NaN |
| ORU | Inbound | R01 | SPM | 9 | Specimen Source Site Modifier | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 10 | Specimen Collection Site | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 11 | Specimen Role | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 12 | Specimen Collection Amount | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 13 | Grouped Specimen Count | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 14 | Specimen Description | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 15 | Specimen Handling Code | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 16 | Specimen Risk Code | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 17 | Specimen Collection Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 18 | Specimen Received Date/Time | This field is interpreted as the ‘Specimen Rec. Date’ on a result document. | NaN |
| ORU | Inbound | R01 | SPM | 19 | Specimen Expiration Date/Time | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 20 | Specimen Availability | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 21 | Specimen Reject Reason | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 22 | Specimen Quality | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 23 | Specimen Appropriateness | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 24 | Specimen Condition | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 25 | Specimen Current Quantity | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 26 | Number of Specimen Containers | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 27 | Container Type | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 28 | Container Condition | Not Required. | NaN |
| ORU | Inbound | R01 | SPM | 29 | Specimen Child Role | Not Required. | NaN |
| ORU | Inbound | R01 | NTE | 1 | Set ID - NTE | This field represents the sequence number. | NaN |
| ORU | Inbound | R01 | NTE | 2 | Source of Comment | Not Required. | NaN |
| ORU | Inbound | R01 | NTE | 3 | Comment | Textual comment to display. | NaN |
| ORU | Inbound | R01 | NTE | 4 | Comment Type | Not Required. | NaN |

## Sample Messages
| Example - Rapid Strep Group A, Throat |
| --- |
| NaN |
| MSH|^~\&|LAB|NASON|Athena|2964|20141107124810-0600||ORU^R01^ORU\_R01|21391.1|D|2.5.1|||AL|NE|||||LRI\_NG\_RU\_Profile^HL7^2.16.840.1.113883.9.19^ISO |
| PID|1||V001047^^^&&ISO^MR^&&ISO~T00001059^^^&&ISO^XX^&&ISO~V00018739^^^&&ISO^AN^&&ISO||test^patient^^^^^L||19870711|M||2131-1^Other Race^HL70005|^^^^^USA^H|||||||||||||||||||N|||201410280855-0600|VVH^^ISO |
| NTE|1|P|Message Testing from Lab|RE^Remark^HL70364^C^Comment^L^2.5.1^V1 |
| ORC|RE|1718-1^LAB.VVH^^ISO|14:MR0005021R-1^LAB.VVH^^ISO|14:MR0005021R^2149^^ISO||N|||201411071248-0600|||SMIJ^SMITH^JOHN^^^^^^MIS&&ISO^L^^^XX^^^^^^^^MD||^WPN^PH^^1^970^3286357^^Hospital Line|201411071244-0600||Main Lab|13045VVH|||Main Lab^L|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^^B|^WPN^PH^^1^970^3847590|Eagle Valley Medical Clinic^377 Sylvan Lake Road^Eagle^CO^81631^USA^B |
| OBR|1|1718-1^LAB.VVH^^ISO|14:MR0005021R-1^LAB.VVH^^ISO|GAS^GRP A STREP SCREEN-RAPID^L^GAS^GRP A STREP SCREEN-RAPID^L^2.40^^GRP A STREP SCREEN-RAPID|||201411071244-0600|201411071244-0600||scj|O|||201411071356-0600||SMIJ^SMITH^JOHN^^^^^^MIS&&ISO^L^^^XX^^^^^^^^MD|^WPN^PH^^1^970^3286357^^Hospital Line|00001616||MR|Main Lab|20141107124700-0600||MB|X||||||| |
| NTE|1|QRY|Extra Note from Lab |
| TQ1|1||||||201411071244-0600|201411071244-0600|R |
| OBX|1|ST|GAS^RAPID GROUP A STREP:^L||POSITIVE|||A|||X|||201411071244-0600|ML^Main Lab||||201411071245-0600||||Main Lab^D^^^^CLIA&2.16.840.1.113883.4.7&ISO|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^USA^B|^Refior^Jeanette^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI^VVH&&ISO |
| SPM|1|00001616&&&ISO^2149&&&ISO|14:MR0005021R^2149|UDENT^Source, Unidentified^HL70487^RTT^THROAT^L^20100831^2.5.1^RTT|||||||||||||201411071244-0600^201411071244-0600|291411071356-0600||||||||2|^EIA TEST MIC |
| NaN |
| NaN |
| NaN |
| NaN |
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| NaN |
| Example - Culture with Sensitivity Panel |
| athenaNet creates unique result documents for cultures and their sensitivity panels. It is recommended to use a TX-type OBX segment at the beginning of the sensitivity panel OBR to indicate the organism that is associated to the panel. |
| NaN |
| MSH|^~\&|LAB|NASON|Athena|2964|20141118091100-0700||ORU^R01^ORU\_R01|21628.4|D|2.5.1|||AL|NE|||||LRI\_NG\_RU\_Profile^HL7^2.16.840.1.113883.9.19^ISO |
| PID|1||V001047^^^&&ISO^MR^&&ISO~T00001059^^^&&ISO^XX^&&ISO~V00018739^^^&&ISO^AN^&&ISO||test^patient^^^^^L||19870711|M||2131-1^Other Race^HL70005|^^^^^USA^H|||||||||||||||||||N|||201410280855-0700|VVH^^ISO |
| ORC|RE|1720-1^LAB.VVH^^ISO|14:AR0009135R-1^LAB.VVH^^ISO|14:AR0009135R^2151^^ISO||N|||201411180911-0700|||SMIJ^SMITH^JOHN^^^^^^MIS&&ISO^L^^^XX^^^^^^^^MD||^WPN^PH^^1^970^3286357^^Hospital Line|201411071405-0700||Main Lab|14134VVH|||Main Lab^L|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^^B|^WPN^PH^^1^970^3847590|Eagle Valley Medical Clinic^377 Sylvan Lake Road^Eagle^CO^81631^USA^B |
| OBR|1|1720-1^LAB.VVH^^ISO|14:AR0009135R-1^LAB.VVH^^ISO|XXUC^URINE CULTURE^L^XXUC^URINE CULTURE^L^2.40^^URINE CULTURE| ||201411071405-0600|201411071405-0600||SELTEST|O|||||SMIJ^SMITH^JOHN^^^^^^MIS&&ISO^L^^^XX^^^^^^^^MD|^WPN^PH^^1^970^3286357^^Hospital Line|00001618||MBAR|Main Lab|20141118091000-0700||MB|A |
| TQ1|1||||||201411071405-0700|201411071405-0700|R |
| OBX|1|CWE|^^^^^^^^URINE CULTURE|1|ESCHERICHIA COLI^O:EC-1^L^EC-1^ESCHERICHIA COLI^L^2014111809^^ESCHERICHIA COLI|||||||||201411071405-0700|ML^Main Lab||||201411180910-0700||||Main Lab^D^^^^CLIA&2.16.840.1.113883.4.7&ISO|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^USA^B|^Refior^Jeanette^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI^VVH&&ISO |
| NTE|1|L|COLONY COUNT >100,000 CFU/ML, 1 COLONY TYPE(S),|RE^Remark^HL70364^^^^2.5.1 |
| NTE|2|L| ESCHERICHIA COLI 73114010|RE^Remark^HL70364^^^^2.5.1 |
| SPM|1|00001618&&&ISO^2151&&&ISO|14:AR0009135R^2151| ||||||||||||||201411071405-0700 |
| OBR|2|1720-2^LAB.VVH^^ISO|14:AR0009135R-2^LAB.VVH^^ISO|XXMSN^ID/MIC NEG^L^XXMSN^ID/MIC NEG^L^2.40^^ID/MIC NEG| ||201411071405-0600|201411071405-0600||SELTEST|O|||||SMIJ^SMITH^JOHN^^^^^^MIS&&ISO^L^^^XX^^^^^^^^MD|^WPN^PH^^1^970^3286357^^Hospital Line|00001618||MBAR|Main Lab|20141118091000-0700||MB|A|&&&&&&&&URINE CULTURE^1|||1720-1&LAB.VVH&&ISO^14:AR0009135R-1&LAB.VVH&&ISO|||27097&UNKNOWN&U&Lauck&Susan&&&&&&ISO |
| OBX|1|TX|||Organism: ESCHERICHIA||||||F |
| OBX|2|SN|AM^AMPICILLIN^L^AM^AMPICILLIN^L^2.40^^AMPICILLIN|1|>16|||R||||||201411071405-0700|ML^Main Lab||||201411180910-0700||||Main Lab^D^^^^CLIA&2.16.840.1.113883.4.7&ISO|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^USA^B|^Refior^Jeanette^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI^VVH&&ISO |
| OBX|3|SN|CFZ^CEFAZOLIN^L^CFZ^CEFAZOLIN^L^2.40^^CEFAZOLIN|1|<8|||S||||||201411071405-0700|ML^Main Lab||||201411180910-0700||||Main Lab^D^^^^CLIA&2.16.840.1.113883.4.7&ISO|Valley View Hospital^1906 Blake Ave.^Glenwood Spgs^CO^81601^USA^B|^Refior^Jeanette^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI^VVH&&ISO |
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| Example - Culture with Sensitivity Panel in One OBR |
| NaN |
| MSH|^~\&|LAB|NASON|General Surgery Assoc|2964|20141112113914||ORU^R01|20143160003401|P|2.5.1 |
| PID|1|V254054|V254054||TEST^PATIENT||19870711|M|||ADDRESS^^CITY^ST^00000||970366-4944|970945-7084||S||V34397505|016-37-6999 |
| ORC|RE||F610934|N1002.1035||||||||111222334^NAGENGAST^STEPHEN^M ^^^^^^^^^NPI |
| OBR|1||F610934|WDC^WOUND CULTURE^^21020-3^BACTERIA IDENTIFIED^LN|||20141106150000|||||||20141107095400|LEFT KNEE|AMM^NAGENGAST^STEPHEN^M (MD)^^^^^^^^^NPI|||||^|201411121139||MC^MB|P||^^^^^|O1097^JAMESON^DAVID^B (MD)~^~^||||||2 |
| OBX|1|ST|SDES^SPECIMEN DESCRIPTION|1|ABDOMEN ||||||F||||NL|2234|||201411070959 |
| OBX|2|ST|SREQ^SPECIAL REQUESTS|1|AEROBIC AND ANAEROBIC CULTURE ||||||F||||NL|2234|||201411070959 |
| OBX|3|ST|GS^GRAM STAIN|1|NO ORGANISMS SEEN ||||||F||||WL|596|||201411071423 |
| OBX|4|ST|CULT^CULTURE|1|ESCHERICHIA COLI ||||||F||||WL|515|||201411121138 |
| OBX|4|ST|CULT^CULTURE|2|ENTEROCOCCUS FAECALIS ||||||||||WL|515|||201411121138 |
| OBX|4|ST|CULT^CULTURE|3|COAGULASE NEGATIVE STAPHYLOCOCCUS ||||||||||WL|515|||201411121138 |
| OBX|5|ST|RPT^REPORT STATUS|1|PENDING ||||||I|||||||| |
| OBX|6|ST|ORG^\*\*\*\*ORGANISM|1|ESCHERICHIA COLI ||||||F||||WL|277|||201411101014 |
| OBX|7|ST|MTYP^METHOD|1|BLOOD AND TISSUE MIC ||||||F||||WL|277|||201411101014 |
| OBX|8|ST|TSO^TMP/SMX (PO)|1|<=2/38 S |||S|||F||||WL|277|||201411101014 |
| OBX|9|ST|CTAXI^CEFTRIAXONE (IV)|1|<=8 S1 |||S|||F||||WL|277|||201411101014 |
| OBX|10|ST|CPO^CIPROFLOXACIN (PO)|1|<=1 S1 |||S|||F||||WL|277|||201411101014 |
| OBX|11|ST|ORG\_1^\*\*\*\*ORGANISM|1|ENTEROCOCCUS FAECALIS ||||||F||||WL|515|||201411121138 |
| OBX|12|ST|MTYP\_1^METHOD|1|BLOOD AND TISSUE MIC ||||||F||||WL|515|||201411121138 |
| OBX|13|ST|VANI\_1^VANCOMYCIN (IV)|1|<=2 S1 |||S|||F||||WL|515|||201411121138 |
| OBX|14|ST|AMPI\_1^AMPICILLIN (IV)|1|0.5 S1 |||S|||F||||WL|515|||201411121138 |
| SPM|1|00001532&&&ISO^2060&&&ISO|1023:RC00001R^2060|LEFT KNEE^^^L^2.5.1^2.5.1^BLD|||||||||||||201410231322-0600^201410231322-0600|20141107095400||||||||0.1|^GREEN GEL (LI) |

## Minimum Required Fields
| Minimum Required Fields | Unnamed: 1 |
| --- | --- |
| NaN | NaN |
| Field | Default HL7 Field |
| Sending Application | MSH.3 |
| Sending Facility | MSH.4 |
| Client Account ID | MSH.6 |
| Patient Name | PID.5 |
| Patient Date of Birth | PID.7 |
| Provider | OBR.16\* |
| Result Order Code/Description | OBR.4 |
| Result Values | OBX |

## Message Definition
| Message Definition |
| --- |
| NaN |
| The segment ordering for a 2.5.1 ORU^R01 (unsolicited observation) message is noted below. Segments relevant for default processing done by the athenaNet MX Engine are denoted using bold text. For the athenaNet MX Engine, segments that are optional are enclosed with brackets ( [ ] ) while segments enclosed in braces ( { } ) indicate the segment is repeatable |

## DOCUMENT CHANGE LOG
| Version | Release Date | Changes |
| --- | --- | --- |
| 17.7 | 2019-10-20 | Document created |