

Description

The Laboratory Test Compendium from Century Hospital Clinical Laboratory is a subset of their Directory of Services. It is based upon the most commonly ordered lab tests by Dr. Radon. This compendium is being used by Dr. Nicholas Radon's practice EHR-S to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital has made the following changes to their test compendium:

- Revised the LOINC for Penicillin susceptibility test.

Century Hospital's LIS transmits the appropriate eDOS update messages with these changes to Dr. Radon's EHR.

Comments

Update changes for revision of information about individual observations.

PreCondition

EDOS_1.0_1.1-M08_New
and
EDOS_1.0_2.1-M10_New
and
EDOS_1.0_3.1-M04_New
and
EDOS_1.0_4.1-M18_New_Aproved
and
EDOS_1.0_5.1-M18_New_Limited
have been uploaded.

PostCondition

No Post-Condition.

TestObjectives

- Demonstrate capability to support a M08 update message - action: revision

Test Case Information

EDOS_2.2_1.1-M08_GU - M08_Update_revise

Test Case ID

EDOS_2.2_1.1-M08_GU

MSH

| Location | Data Element | Data | Categorization |
|------------------|-----------------------------------|-----------------------------|----------------------|
| MSH.1 | Field Separator | | IG Fixed Data |
| MSH.2 | Encoding Characters | ^~&# | IG Fixed Data |
| MSH.3 | Sending Application | | |
| MSH.3.1 | Namespace ID | NIST Test Lab APP | Configurable Data |
| MSH.3.2 | Universal ID | 2.16.840.1.113883.3.72.5.20 | Configurable Data |
| MSH.3.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.4 | Sending Facility | | |
| MSH.4.1 | Namespace ID | NIST Lab Facility | Configurable Data |
| MSH.4.2 | Universal ID | 2.16.840.1.113883.3.72.5.21 | Configurable Data |
| MSH.4.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.6 | Receiving Facility | | |
| MSH.6.1 | Namespace ID | NIST EHR Facility | Configurable Data |
| MSH.6.2 | Universal ID | 2.16.840.1.113883.3.72.5.23 | Configurable Data |
| MSH.6.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.7 | Date/Time Of Message | | |
| MSH.7.1 | Time | 20130421113601-0700 | System Generated |
| MSH.9 | Message Type | | |
| MSH.9.1 | Message Code | MFN | IG Fixed Data |
| MSH.9.2 | Trigger Event | M08 | IG Fixed Data |
| MSH.9.3 | Message Structure | MFN_M08 | IG Fixed Data |
| MSH.10 | Message Control ID | EDOS_2.2_1.1-M08_GU | System Generated |
| MSH.11 | Processing ID | | |
| MSH.11.1 | Processing ID | D | Changeable Data |
| MSH.12 | VersionID | | |
| MSH.12.1 | Version ID | 2.5.1 | IG Fixed Data |
| MSH.21 | Message Profile Identifier | | |
| MSH.21.1 | Entity Identifier | EDOS_Common_Component | Test Case Fixed Data |
| MSH.21.2 | Namespace ID | EDOS Base Profile | Changeable Data |
| MSH.21.3 | Universal ID | 2.16.840.1.113883.9.67 | Test Case Fixed Data |
| MSH.21.4 | Universal ID Type | ISO | IG Fixed Data |
| MSH.21[2] | Message Profile Identifier | | |
| MSH.21[2].1 | Entity Identifier | EDOS_GU_Component | Test Case Fixed Data |
| MSH.21[2].2 | Namespace ID | EDOS GU Profile | Changeable Data |
| MSH.21[2].3 | Universal ID | 2.16.840.1.113883.9.68 | Test Case Fixed Data |
| MSH.21[2].4 | Universal ID Type | ISO | IG Fixed Data |

MFI

| Location | Data Element | Data | Categorization |
|--------------|-------------------------------|------------------------------------|----------------------|
| MFI.1 | Master File Identifier | | |
| MFI.1.1 | Identifier | OMM | IG Fixed Data |
| MFI.1.2 | Text | Mixed type observation master file | Changeable Data |
| MFI.1.3 | Name of Coding System | HL70175 | IG Fixed Data |
| MFI.1.7 | Coding System Version ID | 2.5.1 | Test Case Fixed Data |
| MFI.3 | File-Level Event Code | UPD | Test Case Fixed Data |
| MFI.6 | Response Level Code | NE | IG Fixed Data |

MFE

| Location | Data Element | Data | Categorization |
|--------------|--------------------------------|------|----------------------|
| MFE.1 | Record-Level Event Code | MUP | Test Case Fixed Data |

| MFE.3 | Location | Effective Date/Time | Data Element | Data | Categorization |
|--------------|-----------------|----------------------------|--------------------------------|----------------|-----------------------|
| MFE.3.1 | | Time | | 20131219145310 | System Generated |
| MFE.4 | | | Primary Key Value - MFE | | |
| MFE.4.1 | | Identifier | | 1506 | Changeable Data |
| MFE.4.2 | | Text | | Penicillin | Changeable Data |
| MFE.4.3 | | Name of Coding System | | 99USL | Changeable Data |
| MFE.4.7 | | Coding System Version ID | | 20130421 | Changeable Data |
| MFE.5 | | | Primary Key Value Type | CWE | IG Fixed Data |

OM1

| Location | Data Element | Data | Categorization |
|-----------------|--|---|-----------------------|
| OM1.1 | Sequence Number - Test/Observation Master File | 1 | IG Fixed Data |
| OM1.2 | Producer's Service/Test/Observation ID | | |
| OM1.2.1 | Identifier | 1506 | Changeable Data |
| OM1.2.2 | Text | Penicillin | Changeable Data |
| OM1.2.3 | Name of Coding System | 99USL | Changeable Data |
| OM1.2.7 | Coding System Version ID | 20130421 | Changeable Data |
| OM1.4 | Specimen Required | N | Changeable Data |
| OM1.5 | Producer ID | | |
| OM1.5.1 | Identifier | 05D0669071 | Changeable Data |
| OM1.5.2 | Text | Century Hospital Clinical Laboratory | Changeable Data |
| OM1.5.3 | Name of Coding System | 99USL | Changeable Data |
| OM1.5.7 | Coding System Version ID | 2013 | Changeable Data |
| OM1.7 | Other Service/Test/Observation IDs for the Observation | | |
| OM1.7.1 | Identifier | 6932-8 | Test Case Fixed Data |
| OM1.7.2 | Text | Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC) | Changeable Data |
| OM1.7.3 | Name of Coding System | LN | Test Case Fixed Data |
| OM1.9 | Preferred Report Name for the Observation | Penicillin MIC | Changeable Data |
| OM1.12 | Orderability | Y | Test Case Fixed Data |
| OM1.18 | Nature of Service/Test/Observation | A | Test Case Fixed Data |
| OM1.39 | Factors that may Affect the Observation | Insufficient specimen, Improper labeling. | Changeable Data |
| OM1.40 | Service/Test/Observation Performance Schedule | Monday through Friday | Changeable Data |
| OM1.48 | Exclusive Test | N | Changeable Data |
| OM1.49 | Diagnostic Service Sector ID | LAB | Changeable Data |
| OM1.56 | Observation Identifier associated with Producer's Service/Test/Observation ID | | |
| OM1.56.1 | Identifier | 6932-8 | Changeable Data |
| OM1.56.2 | Text | Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC) | Changeable Data |
| OM1.56.3 | Name of Coding System | LN | Test Case Fixed Data |
| OM1.56.4 | Alternate Identifier | 1506 | Changeable Data |
| OM1.56.5 | Alternate Text | Penicillin | Changeable Data |
| OM1.56.6 | Name of Alternate Coding System | 99USL | Changeable Data |
| OM1.57 | Expected Turn-Around Time | | |
| OM1.57.1 | Quantity | 3 | Changeable Data |
| OM1.57.2 | Units | | |
| OM1.57.2.2 | Text | day | Changeable Data |

OM4

| Location | Data Element | Data | Categorization |
|-----------------|---|-------------|-----------------------|
| | Sequence Number - Test/Observation | | |

| OM4.1 | Location | Master File | Data Element | 1 | Data | IG Fixed Data | Categorization |
|----------|----------|--------------------------|--------------|--|------|---------------|----------------------|
| OM4.6 | | Specimen | | | | | |
| OM4.6.1 | | Identifier | | 429951000124103 | | | Test Case Fixed Data |
| OM4.6.2 | | Text | | Bacterial isolate specimen | | | Changeable Data |
| OM4.6.3 | | Name of Coding System | | SCT | | | Test Case Fixed Data |
| OM4.6.7 | | Coding System Version ID | | 20130331 | | | Changeable Data |
| OM4.12 | | Specimen Requirements | | Organism must be in pure culture and actively growing. Place into large infectious container and label as " Infectious substance". | | | Changeable Data |
| OM4.15 | | Specimen Handling Code | | | | | |
| OM4.15.1 | | Identifier | | CAMB | | | Changeable Data |
| OM4.15.2 | | Text | | Critical ambient temperature | | | Changeable Data |
| OM4.15.3 | | Name of Coding System | | HL70376 | | | IG Fixed Data |

| Element | Data |
|------------|------|
| Identifier | OMM |
| Event code | UPD |

Test Details - Penicillin
Record information

| Element | Data |
|-------------------------------------|----------------|
| Event code | MUP |
| Effective date and time | 20131219145310 |
| Test/Panel Name | Penicillin |
| Test/Panel identifier (code system) | 1506 (99USL) |

General information

| Element | Data |
|---|---|
| Specimen required ? | N |
| Test/Panel other name | Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC) |
| Test/Panel other identifier (code system) | 6932-8 (LN) |
| Preferred Report Name | Penicillin MIC |
| Is the test/panel orderable ? | Y |
| Nature | A |
| Factors that may affect the test | Insufficient specimen, Improper labeling |
| Schedule | Monday through Friday |
| Is the test exclusive ? | N |
| Diagnostic Service Sector | LAB |
| Expected turn around time | 3 day |

Specimen information details

| Element | Data |
|---|--|
| Sequence ID | 1 |
| Specimen (code & code system) | 429951000124103 (SCT) |
| Specimen Requirements | Organism must be in pure culture and actively growing. Place into large infectious container and label as " Infectious substance". |
| Specimen Handling Code | Critical ambient temperature |
| Specimen Handling Code (code & code system) | CAMB (HL70376) |

MSH|^~&#|NIST Test Lab APP^2.16.840.1.113883.3.72.5.20^ISO|NIST Lab Facility^2.16.840.1.113883.3.72.5.21^ISO||NIST EHR
Facility^2.16.840.1.113883.3.72.5.23^ISO|20130421113601-0700||MFN^M08^MFN_M08|EDOS_2.2_1.1-M08_GU|D|2.5.1|||||EDOS_
Common_Component^EDOS Base Profile^2.16.840.1.113883.9.67^ISO~EDOS_GU_Component^EDOS GU
Profile^2.16.840.1.113883.9.68^I
SO

MFI|OMM^Mixed type observation master file^HL70175^^^^2.5.1||UPD|||NE

MFE|MUP||20131219145310|1506^Penicillin^99USL^^^^20130421|CWE

OM1|1|1506^Penicillin^99USL^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013||6932-8^Penici
lin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Penicillin MIC||Y||||A|||||||Insuff
icient specimen, Improper labeling|Monday through Friday|||||N|LAB|||||6932-8^Penicillin [Susceptibility] by Minim
um inhibitory concentration (MIC)^LN^1506^Penicillin^99USL|3^&day

OM4|1||||429951000124103^Bacterial isolate specimen^SCT^^^^20130331|||||Organism must be in pure culture and actively
growing. Place into large infectious container and label as " Infectious substance".|||CAMB^Critical ambient temperatu
re^HL70376