

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 to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital's has revised the Lipid panel and made its components orderable. Century Hospital's LIS transmits the appropriate eDOS update message to revise this information in Dr. Radon's EHR.

Comments

Update message to change a panel that was part of a previous update of the compendium. This update revises the Lipid panel.

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_Approved
and
EDOS_1.0_5.1-M18_New_Limited
and
EDOS_2.4_1.1-M08_Update_Combo
and
EDOS_2.4_2.1-M10_Update_Combo
and
EDOS_2.4_3.1-M04_Update_Combo
and
EDOS_2.4_4.1-M18_Update_Combo
and
EDOS_2.5_1.1-M08_Update_Revise_PostCombo
have been completed.

PostCondition

No Post-Condition.

TestObjectives

- Demonstrate capability to support a M10 update message- action: subsequent update to information previously sent via an update message.
- Demonstrate capability to support all supported data elements, including repeating fields in the OM5 segment.
- Demonstrate capability to support repeating segments for OM4.

Notes to Testers

Update existing compendium of services by changing a component of the Lipid panel.

Test Case Information

EDOS_2.5_2.1-M10_GU - M10_Update_revise_postCombo

Test Case ID

EDOS_2.5_2.1-M10_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 | M10 | IG Fixed Data |
| MSH.9.3 | Message Structure | MFN_M10 | IG Fixed Data |
| MSH.10 | Message Control ID | EDOS_2.5_2.1-M10_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 | OMC | IG Fixed Data |
| MFI.1.2 | Text | Observation batteries 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 |

| Location | Data Element | Data | Categorization |
|--------------|--------------------------------|--------------------------|------------------|
| MFE.3.1 | Time | 20131219145310 | System Generated |
| MFE.4 | Primary Key Value - MFE | | |
| MFE.4.1 | Identifier | 400.1 | Changeable Data |
| MFE.4.2 | Text | Lipid Panel - direct LDL | 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 | 400.1 | Changeable Data |
| OM1.2.2 | Text | Lipid Panel - direct LDL | 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 | Y | 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 | 57698-3 | Test Case Fixed Data |
| OM1.7.2 | Text | Lipid panel with direct LDL - Serum or Plasma | Changeable Data |
| OM1.7.3 | Name of Coding System | LN | Test Case Fixed Data |
| OM1.7.7 | Coding System Version ID | 2.44 | Changeable Data |
| OM1.9 | Preferred Report Name for the Observation | Lipid Panel - direct LDL | Changeable Data |
| OM1.12 | Orderability | Y | Test Case Fixed Data |
| OM1.18 | Nature of Service/Test/Observation | P | Test Case Fixed Data |
| OM1.32 | Interpretation of Observations | Used to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL). | Changeable 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 |
| OM1.57 | Expected Turn-Around Time | | |
| OM1.57.1 | Quantity | 1 | Changeable Data |
| OM1.57.2 | Units | | |
| OM1.57.2.2 | Text | day | Changeable Data |

OM5

| Location | Data Element | Data | Categorization |
|--------------|--|----------------------------|----------------------|
| OM5.1 | Sequence Number - Test/Observation Master File | 1 | IG Fixed Data |
| OM5.2 | Test/Observations Included Within an Ordered Test Battery | | |
| OM5.2.1 | Identifier | 412 | Test Case Fixed Data |
| OM5.2.2 | Text | Cholesterol (total), serum | Test Case Fixed Data |

| Location | Data Element | Data | Categorization |
|-----------------|--|---|----------------------|
| OM5.2.3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OM5.2.4 | Alternate Identifier | 2093-3 | Changeable Data |
| OM5.2.5 | Alternate Text | Cholesterol [Mass/volume] in Serum or Plasma | Changeable Data |
| OM5.2.6 | Name of Alternate Coding System | LN | Changeable Data |
| OM5.2[2] | Test/Observations Included Within an Ordered Test Battery | | |
| OM5.2[2].1 | Identifier | 414 | Test Case Fixed Data |
| OM5.2[2].2 | Text | High density lipoprotein cholesterol, serum (HDL) | Test Case Fixed Data |
| OM5.2[2].3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OM5.2[2].4 | Alternate Identifier | 2085-9 | Changeable Data |
| OM5.2[2].5 | Alternate Text | Cholesterol in HDL [Mass/volume] in Serum or Plasma | Changeable Data |
| OM5.2[2].6 | Name of Alternate Coding System | LN | Changeable Data |
| OM5.2[3] | Test/Observations Included Within an Ordered Test Battery | | |
| OM5.2[3].1 | Identifier | 410 | Test Case Fixed Data |
| OM5.2[3].2 | Text | Low density lipoprotein cholesterol, serum (LDL) - measured | Test Case Fixed Data |
| OM5.2[3].3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OM5.2[3].4 | Alternate Identifier | 2089-1 | Changeable Data |
| OM5.2[3].5 | Alternate Text | Cholesterol in LDL [Mass/volume] in Serum or Plasma | Changeable Data |
| OM5.2[3].6 | Name of Alternate Coding System | LN | Changeable Data |
| OM5.2[4] | Test/Observations Included Within an Ordered Test Battery | | |
| OM5.2[4].1 | Identifier | 418 | Test Case Fixed Data |
| OM5.2[4].2 | Text | Triglycerides, serum | Test Case Fixed Data |
| OM5.2[4].3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OM5.2[4].4 | Alternate Identifier | 2571-8 | Changeable Data |
| OM5.2[4].5 | Alternate Text | Triglyceride [Mass/volume] in Serum or Plasma | Changeable Data |
| OM5.2[4].6 | Name of Alternate Coding System | LN | Changeable Data |

OM4

| Location | Data Element | Data | Categorization |
|---------------|---|------------------------------------|----------------------|
| OM4.1 | Sequence Number - Test/Observation Master File | 1.1 | IG Fixed Data |
| OM4.3 | Container Description | Serum Gel Tube (SGT) | Changeable Data |
| OM4.4 | Container Volume | 8.5 | Changeable Data |
| OM4.5 | Container Units | | |
| OM4.5.1 | Identifier | mL | Changeable Data |
| OM4.5.2 | Text | milliliter | Changeable Data |
| OM4.5.3 | Name of Coding System | UCUM | Changeable Data |
| OM4.5.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.6 | Specimen | | |
| OM4.6.1 | Identifier | 119364003 | Test Case Fixed Data |
| OM4.6.2 | Text | Serum specimen | Changeable Data |
| OM4.6.3 | Name of Coding System | SCT | Test Case Fixed Data |
| OM4.6.7 | Coding System Version ID | 20130731 | Changeable Data |
| OM4.7 | Additive | | |
| OM4.7.1 | Identifier | SST | Changeable Data |
| OM4.7.2 | Text | Serum Separator Tube (Polymer Gel) | Changeable Data |
| OM4.7.3 | Name of Coding System | HL70371 | Changeable Data |
| OM4.7.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| OM4.10 | Normal Collection Volume | | |
| OM4.10.1 | Quantity | 0.5 | Changeable Data |
| OM4.10.2 | Units | | |

| Location | Identifier Data Element | mL Data | Changeable Data Categorization |
|------------|---------------------------|--------------------------|--------------------------------|
| OM4.10.2.1 | Text | milliliter | Changeable Data |
| OM4.10.2.2 | Name of Coding System | UCUM | Changeable Data |
| OM4.10.2.3 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.10.2.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.11 | Minimum Collection Volume | | |
| OM4.11.1 | Quantity | 0.25 | Changeable Data |
| OM4.11.2 | Units | | |
| OM4.11.2.1 | Identifier | mL | Changeable Data |
| OM4.11.2.2 | Text | milliliter | Changeable Data |
| OM4.11.2.3 | Name of Coding System | UCUM | Changeable Data |
| OM4.11.2.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.12 | Specimen Requirements | Keep at room temperature | Changeable Data |
| OM4.15 | Specimen Handling Code | | |
| OM4.15.1 | Identifier | AMB | Changeable Data |
| OM4.15.2 | Text | Ambient temperature | Changeable Data |
| OM4.15.3 | Name of Coding System | HL70376 | Changeable Data |
| OM4.15.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| OM4.16 | Specimen Preference | P | Test Case Fixed Data |

OM4

| Location | Data Element | Data | Categorization |
|------------|--|--------------------------|----------------------|
| OM4.1 | Sequence Number - Test/Observation Master File | 1.2 | IG Fixed Data |
| OM4.3 | Container Description | Red, No Additive tube | Changeable Data |
| OM4.4 | Container Volume | 10 | Changeable Data |
| OM4.5 | Container Units | | |
| OM4.5.1 | Identifier | mL | Changeable Data |
| OM4.5.2 | Text | milliliter | Changeable Data |
| OM4.5.3 | Name of Coding System | UCUM | Changeable Data |
| OM4.5.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.6 | Specimen | | |
| OM4.6.1 | Identifier | 119364003 | Test Case Fixed Data |
| OM4.6.2 | Text | Serum specimen | Changeable Data |
| OM4.6.3 | Name of Coding System | SCT | Test Case Fixed Data |
| OM4.6.7 | Coding System Version ID | 20130731 | Changeable Data |
| OM4.10 | Normal Collection Volume | | |
| OM4.10.1 | Quantity | 0.5 | Changeable Data |
| OM4.10.2 | Units | | |
| OM4.10.2.1 | Identifier | mL | Changeable Data |
| OM4.10.2.2 | Text | milliliter | Changeable Data |
| OM4.10.2.3 | Name of Coding System | UCUM | Changeable Data |
| OM4.10.2.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.11 | Minimum Collection Volume | | |
| OM4.11.1 | Quantity | 0.25 | Changeable Data |
| OM4.11.2 | Units | | |
| OM4.11.2.1 | Identifier | mL | Changeable Data |
| OM4.11.2.2 | Text | milliliter | Changeable Data |
| OM4.11.2.3 | Name of Coding System | UCUM | Changeable Data |
| OM4.11.2.7 | Coding System Version ID | 1.8 | Changeable Data |
| OM4.12 | Specimen Requirements | Keep at room temperature | Changeable Data |
| OM4.15 | Specimen Handling Code | | |
| OM4.15.1 | Identifier | AMB | Changeable Data |
| OM4.15.2 | Text | Ambient temperature | Changeable Data |
| OM4.15.3 | Name of Coding System | HL70376 | Changeable Data |
| OM4.15.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| OM4.16 | Specimen Preference | A | Test Case Fixed Data |
| | Preferred Specimen/Attribute | | |

| | | | | | | | |
|-------|----------|----------|--------------|-----|------|----------------------|----------------|
| OM417 | Location | Sequence | Data Element | 1.1 | Data | Test Case Fixed Data | Categorization |
|-------|----------|----------|--------------|-----|------|----------------------|----------------|

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

Panel/Test battery Information - Lipid Panel - direct LDL

Record information

| Element | Data |
|-------------------------------------|--------------------------|
| Event code | MUP |
| Effective date and time | 20131219145310 |
| Test/Panel Name | Lipid Panel - direct LDL |
| Test/Panel identifier (code system) | 400.1 (99USL) |

General information

| Element | Data |
|---|--|
| Specimen required ? | Y |
| Test/Panel other name | Lipid panel with direct LDL - Serum or Plasma |
| Test/Panel other identifier (code system) | 57698-3 (LN) |
| Preferred Report Name | Lipid Panel - direct LDL |
| Is the test/panel orderable ? | Y |
| Nature | P |
| Interpretation | Used to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL). |
| 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 | 1 day |

Panel/Test battery Details

| Element | Data |
|--|---|
| Test included in panel/test battery | Cholesterol (total), serum |
| Test included in panel/test battery (code & code system) | 412 (99USL) |
| Test included in panel/test battery | High density lipoprotein cholesterol, serum (HDL) |
| Test included in panel/test battery (code & code system) | 414 (99USL) |
| Test included in panel/test battery | Low density lipoprotein cholesterol, serum (LDL) - measured |
| Test included in panel/test battery (code & code system) | 410 (99USL) |
| Test included in panel/test battery | Triglycerides, serum |
| Test included in panel/test battery (code & code system) | 418 (99USL) |

Specimen information details

| Element | Data |
|--|----------------------|
| Sequence ID | 1.1 |
| Container description | Serum Gel Tube (SGT) |
| Container volume | 8.5 |
| Container units | milliliter |
| Container units (code & code system) | mL (UCUM) |
| Specimen (code & code system) | 119364003 (SCT) |
| Specimen (code & code system) | SST (HL70371) |
| Normal collection volume | 0.5 |
| Normal collection volume unit | milliliter |
| Normal collection volume unit (code & code system) | mL (UCUM) |
| Normal collection volume | 0.25 |
| Normal collection volume unit | milliliter |

| | |
|--|--------------------------|
| Normal collection volume unit (code & code system) | mL (UCUM) |
| Specimen Requirements | Keep at room temperature |
| Specimen Handling Code | Ambient temperature |
| Specimen Handling Code (code & code system) | AMB (HL70376) |
| Specimen Preference | P |

Specimen information details

| Element | Data |
|--|--------------------------|
| Sequence ID | 1.2 |
| Container description | Red, No Additive tube |
| Container volume | 10 |
| Container units | milliliter |
| Container units (code & code system) | mL (UCUM) |
| Specimen (code & code system) | 119364003 (SCT) |
| Normal collection volume | 0.5 |
| Normal collection volume unit | milliliter |
| Normal collection volume unit (code & code system) | mL (UCUM) |
| Normal collection volume | 0.25 |
| Normal collection volume unit | milliliter |
| Normal collection volume unit (code & code system) | mL (UCUM) |
| Specimen Requirements | Keep at room temperature |
| Specimen Handling Code | Ambient temperature |
| Specimen Handling Code (code & code system) | AMB (HL70376) |
| Specimen Preference | A |
| Preferred Specimen Sequence ID | 1.1 |

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^M10^MFN_M10|EDOS_2.5_2.1-M10_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^ISO
SO

MFI|OMC^Observation batteries master file^HL70175^^^^2.5.1||UPD||NE

MFE|MUP||20131219145310|400.1^Lipid Panel - direct LDL^99USL^^^^20130421|CWE

OM1|1|400.1^Lipid Panel - direct LDL^99USL^^^^20130421||Y|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013057698-3^Lipid panel with direct LDL - Serum or Plasma^LN^^^^2.44||Lipid Panel - direct LDL||Y||||P|||||||Use d to assess patient risk for heart disease. This panel includes a total cholesterol, triglycerides, high density lipoprotein cholesterol (HDL) and a low density lipoprotein cholesterol (LDL).|||||Insufficient specimen, Improper labeling .|Monday through Friday|||||N|LAB|||||1^&day

OM5|1|412^Cholesterol (total), serum^99USL^2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN~414^High density lipoprotein cholesterol, serum (HDL)^99USL^2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN~410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^2089-1^Cholesterol in LDL [Mass/volume] in Serum or Plasma^LN~418^Triglycerides, serum^99USL^2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN

OM4|1.1||Serum Gel Tube (SGT)|8.5|mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130731|SST^Serum Separator Tube (Polymer Gel)^HL70371^^^^2.5.1|||0.5^mL&milliliter&UCUM&&&&1.8|0.25^mL&milliliter&UCUM&&&&1.8|Keep at room temperature||AMB^Ambient temperature^HL70376^^^^2.5.1|P

OM4|1.2||Red, No Additive tube|10|mL^milliliter^UCUM^^^^1.8|119364003^Serum specimen^SCT^^^^20130731|||0.5^mL&milliliter&UCUM&&&&1.8|0.25^mL&milliliter&UCUM&&&&1.8|Keep at room temperature||AMB^Ambient temperature^HL70376^^^^2.5.1|A|1.1