## 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 changes to their test compendium:
- limited coverage information for the added Lipid Panel
- limited coverage information for the added Measured Low density lipoprotein cholesterol, serum (LDL) test
- limited coverage information for the deactivated Saint Luis Encephalitis IgG Antibody test and the Arbovirus Panel.
Century Hospital's LIS transmits the appropriate eDOS update message to update this information for limited coverage tests in Dr. Radon's EHR.

## Comments

Update message to change limited coverage information for orderable tests and panels. This update provides information for the newly added lipid panel, an individual lipid test and deactivates the arbovirus 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
have been completed.

## PostCondition

No Post-Condition.

## TestObjectives

- Demonstrate capability to support a M18 limited coverage update message for an added panel, added individual test and a deactivated test.

| EDOS_2.4_4.1-M18_NG - M18_Update_combo | |
|---|---|
| **Test Case ID** | EDOS_2.4_4.1-M18_NG |

## 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.4** | **Sending Facility** | | |
| MSH.4.1 | Namespace ID | NIST Lab Facility | Configurable Data |
| **MSH.6** | **Receiving Facility** | | |
| MSH.6.1 | Namespace ID | NIST EHR Facility | Configurable 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 | M18 | IG Fixed Data |
| MSH.9.3 | Message Structure | MFN_M18 | IG Fixed Data |
| **MSH.10** | **Message Control ID** | EDOS_2.4_4.1-M18_NG | 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_NG_Component | Test Case Fixed Data |
| MSH.21[2].2 | Namespace ID | EDOS NG Profile | Changeable Data |
| MSH.21[2].3 | Universal ID | 2.16.840.1.113883.9.69 | 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 | MLCP | IG Fixed Data |
| MFI.1.2 | Text | Medicare Limited Coverage Process | Changeable Data |
| MFI.1.3 | Name of Coding System | HL70175 | IG Fixed Data |
| MFI.1.7 | Coding System Version ID | 2.8.2 | 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** | MDC | Test Case Fixed Data |
| **MFE.3** | **Effective Date/Time** | | |
| MFE.3.1 | Time | 20131219145310 | System Generated |
| **MFE.4** | **Primary Key Value - MFE** | | |
| MFE.4.1 | Identifier | 1300 | Changeable Data |
| MFE.4.2 | Text | Arbovirus IgG and IgM Panel (DNG, WNV) in Serum | Changeable Data |

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| 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 |

<div align="center">PM1</div>

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **PM1.1** | **Health Plan ID** | | |
| PM1.1.2 | Text | Healthplan2 | Changeable Data |
| **PM1.2** | **Insurance Company ID** | | |
| PM1.2.1 | ID Number | SMCA2 | Changeable Data |
| PM1.2.4 | Assigning Authority | | |
| PM1.2.4.1 | Namespace ID | NIST EHR | Configurable Data |
| PM1.2.5 | Identifier Type Code | XX | Changeable Data |

<div align="center">MCP</div>

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MCP.1** | **Set ID - MCP** | 1 | IG Fixed Data |
| **MCP.2** | **Producer's Service/Test/Observation ID** | | |
| MCP.2.1 | Identifier | 1300 | Test Case Fixed Data |
| MCP.2.2 | Text | Arbovirus IgG and IgM Panel (DNG, WNV) in Serum | Changeable Data |
| MCP.2.3 | Name of Coding System | 99USL | Changeable Data |
| MCP.2.7 | Coding System Version ID | 20130421 | Changeable Data |

<div align="center">MFE</div>

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MFE.1** | **Record-Level Event Code** | MAD | Test Case Fixed Data |
| **MFE.3** | **Effective Date/Time** | | |
| MFE.3.1 | Time | 20131219145310 | System Generated |
| **MFE.4** | **Primary Key Value - MFE** | | |
| MFE.4.1 | Identifier | 400 | Changeable Data |
| MFE.4.2 | Text | Lipid Panel | 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 |

<div align="center">PM1</div>

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **PM1.1** | **Health Plan ID** | | |
| PM1.1.2 | Text | Healthplan2 | Changeable Data |
| **PM1.2** | **Insurance Company ID** | | |
| PM1.2.1 | ID Number | SMCA2 | Changeable Data |
| PM1.2.4 | Assigning Authority | | |
| PM1.2.4.1 | Namespace ID | NIST EHR | Configurable Data |
| PM1.2.5 | Identifier Type Code | XX | Changeable Data |

<div align="center">MCP</div>

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MCP.1** | **Set ID - MCP** | 1 | IG Fixed Data |
| **MCP.2** | **Producer's Service/Test/Observation ID** | | |
| MCP.2.1 | Identifier | 400 | Test Case Fixed Data |
| MCP.2.2 | Text | Lipid Panel | Changeable Data |
| MCP.2.3 | Name of Coding System | 99USL | Changeable Data |
| MCP.2.7 | Coding System Version ID | 20130421 | Changeable Data |
| **MCP.4** | **Universal Service Price Range - High Value** | | |

| Location | Quantity | Data Element | 39 | Data | Changeable Data Categorization |
|---|---|---|---|---|---|
| MCP.4.2 | Denomination | | USD | | IG Fixed Data |

---MFE---

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MFE.1** | **Record-Level Event Code** | MAD | Test Case Fixed Data |
| **MFE.3** | **Effective Date/Time** | | |
| MFE.3.1 | Time | 20131219145310 | System Generated |
| **MFE.4** | **Primary Key Value - MFE** | | |
| MFE.4.1 | Identifier | 410 | Changeable Data |
| MFE.4.2 | Text | Low density lipoprotein cholesterol, serum (LDL) - measured | 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 |

---PM1---

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **PM1.1** | **Health Plan ID** | | |
| PM1.1.2 | Text | Healthplan2 | Changeable Data |
| **PM1.2** | **Insurance Company ID** | | |
| PM1.2.1 | ID Number | SMCA2 | Changeable Data |
| PM1.2.4 | Assigning Authority | | |
| PM1.2.4.1 | Namespace ID | NIST EHR | Configurable Data |
| PM1.2.5 | Identifier Type Code | XX | Changeable Data |

---MCP---

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MCP.1** | **Set ID - MCP** | 1 | IG Fixed Data |
| **MCP.2** | **Producer's Service/Test/Observation ID** | | |
| MCP.2.1 | Identifier | 410 | Test Case Fixed Data |
| MCP.2.2 | Text | Low density lipoprotein cholesterol, serum (LDL) - measured | Changeable Data |
| MCP.2.3 | Name of Coding System | 99USL | Changeable Data |
| MCP.2.7 | Coding System Version ID | 20130421 | Changeable Data |

---MFE---

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **MFE.1** | **Record-Level Event Code** | MDC | Test Case Fixed Data |
| **MFE.3** | **Effective Date/Time** | | |
| MFE.3.1 | Time | 20131219145310 | System Generated |
| **MFE.4** | **Primary Key Value - MFE** | | |
| MFE.4.1 | Identifier | 1305 | Changeable Data |
| MFE.4.2 | Text | SLE IgG Titer Serum | 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 |

---PM1---

| Location | Data Element | Data | Categorization |
|---|---|---|---|
| **PM1.1** | **Health Plan ID** | | |
| PM1.1.2 | Text | Healthplan2 | Changeable Data |
| **PM1.2** | **Insurance Company ID** | | |
| PM1.2.1 | ID Number | SMCA2 | Changeable Data |
| PM1.2.4 | Assigning Authority | | |
| PM1.2.4.1 | Namespace ID | NIST EHR | Configurable Data |
| PM1.2.5 | Identifier Type Code | XX | Changeable Data |

## MCP

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
| **MCP.1** | **Set ID - MCP** | 1 | IG Fixed Data |
| **MCP.2** | **Producer's Service/Test/Observation ID** | | |
| MCP.2.1 | Identifier | 1305 | Changeable Data |
| MCP.2.2 | Text | SLE IgG Titer Serum | Changeable Data |
| MCP.2.3 | Name of Coding System | 99USL | Changeable Data |
| MCP.2.7 | Coding System Version ID | 20130421 | Changeable Data |

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

### Payer Information - Arbovirus IgG and IgM Panel (DNG, WNV) in Serum

#### Record information

| Element | Data |
|---|---|
| Event code | MDC |
| Effective date and time | 20131219145310 |
| Test/Panel Name | Arbovirus IgG and IgM Panel (DNG, WNV) in Serum |
| Test/Panel identifier (code system) | 1300 (99USL) |

#### Payer & coverage details

##### Payer

| Element | Data |
|---|---|
| Health Plan | Healthplan2 |
| Insurance Company | SMCA2 |

### Payer Information - Lipid Panel

#### Record information

| Element | Data |
|---|---|
| Event code | MAD |
| Effective date and time | 20131219145310 |
| Test/Panel Name | Lipid Panel |
| Test/Panel identifier (code system) | 400 (99USL) |

#### Payer & coverage details

##### Payer

| Element | Data |
|---|---|
| Health Plan | Healthplan2 |
| Insurance Company | SMCA2 |

##### Coverage Policy

| | |
|---|---|
| High price range | USD 39 |

### Payer Information - Low density lipoprotein cholesterol, serum (LDL) - measured

#### Record information

| Element | Data |
|---|---|
| Event code | MAD |
| Effective date and time | 20131219145310 |
| Test/Panel Name | Low density lipoprotein cholesterol, serum (LDL) - measured |
| Test/Panel identifier (code system) | 410 (99USL) |

#### Payer & coverage details

##### Payer

| Element | Data |
|---|---|
| Health Plan | Healthplan2 |
| Insurance Company | SMCA2 |

### Payer Information - SLE IgG Titer Serum

#### Record information

| Element | Data |
|---|---|
| Event code | MDC |
| Effective date and time | 20131219145310 |
| Test/Panel Name | SLE IgG Titer Serum |
| | |

| Test/Panel identifier (code system) | 1305 (99USL) |

## Payer & coverage details

### Payer

| Element | Data |
|---|---|
| Health Plan | Healthplan2 |
| Insurance Company | SMCA2 |

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M18^MFN_M18|EDOS_2.4_4.1-M18_

NG|D|2.5.1|||||||||EDOS_Common_Component^EDOS Base Profile^2.16.840.1.113883.9.67^ISO~EDOS_NG_Component^EDOS NG Profile^

2.16.840.1.113883.9.69^ISO

MFI|MLCP^Medicare Limited Coverage Process^HL70175^^^^2.8.2||UPD|||NE

MFE|MDC||20131219145310|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USL^^^^20130421|CWE

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USL^^^^20130421

MFE|MAD||20131219145310|400^Lipid Panel^99USL^^^^20130421|CWE

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|400^Lipid Panel^99USL^^^^20130421||39^USD

MFE|MAD||20131219145310|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421|CWE

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421

MFE|MDC||20131219145310|1305^SLE IgG Titer Serum^99USL^^^^20130421|CWE

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|1305^SLE IgG Titer Serum^99USL^^^^20130421