

# **NIST HL7 V2 Validation Tool Test Data**

## **Electronic Directory Of Service (eDOS)**

**Version 1.0**

**27th May, 2015**

# **eDOS Test Case EDOS\_2.5\_2.1-M10\_NG**

**M10\_Update\_revise\_postCombo**

## Message Content Data Sheet

### Test Case Information

| EDOS_2.5_2.1-M10-NG - M10_Update_revise_postCombo |                     |
|---|---------------------|
| Test Case ID                                      | EDOS_2.5_2.1-M10_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                   | 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-NG    | System Generated     |
| MSH.11      | Processing ID                   |                        |                      |
| MSH.11.1    | Processing ID                   | T                      | Changeable Data      |
| MSH.12      | VersionID                       |                        |                      |
| MSH.12.1    | Version ID                      | 2.5.1                  | IG Fixed Data        |
| MSH.15      | Accept Acknowledgment Type      | AL                     | Changeable Data      |
| MSH.16      | Application Acknowledgment Type | NE                     | Changeable Data      |
| MSH.21[1]   | Message Profile Identifier      |                        |                      |
| MSH.21[1].1 | Entity Identifier               | EDOS_Common_Component  | Test Case Fixed Data |
| MSH.21[1].2 | Namespace ID                    | EDOS Base Profile      | Changeable Data      |
| MSH.21[1].3 | Universal ID                    | 2.16.840.1.113883.9.67 | Test Case Fixed Data |
| MSH.21[1].4 | Universal ID Type               | ISO                    | IG Fixed Data        |

| <b>MSH.21[2]</b> | <b>Message Profile Identifier</b> |                        |                      |
|------------------|-----------------------------------|------------------------|----------------------|
| 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 :

| <b>Location</b> | <b>Data Element</b>           | <b>Data</b>                       | <b>Categorization</b> |
|-----------------|-------------------------------|-----------------------------------|-----------------------|
| <b>MFI.1</b>    | <b>Master File Identifier</b> |                                   |                       |
| 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  |
| <b>MFI.3</b>    | <b>File-Level Event Code</b>  | UPD                               | Test Case Fixed Data  |
| <b>MFI.6</b>    | <b>Response Level Code</b>    | NE                                | IG Fixed Data         |

MFE :

| <b>Location</b> | <b>Data Element</b>            | <b>Data</b>              | <b>Categorization</b> |
|-----------------|--------------------------------|--------------------------|-----------------------|
| <b>MFE.1</b>    | <b>Record-Level Event Code</b> | MUP                      | Test Case Fixed Data  |
| <b>MFE.3</b>    | <b>Effective Date/Time</b>     |                          |                       |
| MFE.3.1         | Time                           | 20131219145310           | System Generated      |
| <b>MFE.4</b>    | <b>Primary Key Value - MFE</b> |                          |                       |
| 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          | 99USI                    | Changeable Data       |
| MFE.4.7         | Coding System Version ID       | 20130421                 | Changeable Data       |
| <b>MFE.5</b>    | <b>Primary Key Value Type</b>  | CWE                      | IG Fixed Data         |

OM1 :

| <b>Location</b> | <b>Data Element</b>                                   | <b>Data</b> | <b>Categorization</b> |
|-----------------|---|-------------|-----------------------|
| <b>OM1.1</b>    | <b>Sequence Number - Test/Observation Master File</b> | 1           | IG Fixed Data         |
| <b>OM1.2</b>    | <b>Producer's Service/Test/Observation ID</b>         |             |                       |

|                  |   |  |                      |
|------------------|---|--|----------------------|
| 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   | 99USI  | Changeable Data      |
| OM1.2.7          | Coding System Version ID                                      | 20130421   | Changeable Data      |
| <b>OM1.4</b>     | <b>Specimen Required</b>                                      | Y  | Changeable Data      |
| <b>OM1.5</b>     | <b>Producer ID</b>  |  |                      |
| OM1.5.1          | Identifier  | 05D0669071   | Changeable Data      |
| OM1.5.2          | Text  | Century Hospital Clinical Laboratory   | Changeable Data      |
| OM1.5.3          | Name of Coding System   | 99USI  | Changeable Data      |
| OM1.5.7          | Coding System Version ID                                      | 2013   | Changeable Data      |
| <b>OM1.7</b>     | <b>Other Service/Test/Observation IDs for the Observation</b> |  |                      |
| 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      |
| <b>OM1.9</b>     | <b>Preferred Report Name for the Observation</b>              | Lipid Panel - direct LDL   | Changeable Data      |
| <b>OM1.12</b>    | <b>Orderability</b>   | Y  | Test Case Fixed Data |
| <b>OM1.18</b>    | <b>Nature of Service/Test/Observation</b>                     | P  | IG Fixed Data        |
| <b>OM1.32[1]</b> | <b>Interpretation of Observations</b>                         | 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      |
| <b>OM1.39</b>    | <b>Factors that may Affect the Observation</b>                | Insufficient specimen, Improper labeling   | Changeable Data      |
| <b>OM1.40[1]</b> | <b>Service/Test/Observation Performance Schedule</b>          | Monday through Friday  | Changeable Data      |
| <b>OM1.48</b>    | <b>Exclusive Test</b>   | N  | Changeable Data      |
| <b>OM1.49</b>    | <b>Diagnostic Service Sector ID</b>                           | LAB  | Changeable Data      |
| <b>OM1.57[1]</b> | <b>Expected Turn-Around Time</b>                              |  |                      |
| OM1.57[1].1      | Quantity  | 1  | Changeable Data      |
| OM1.57[1].2      | Units   |  |                      |
| OM1.57[1].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[1]   | Test/Observations Included Within an Ordered Test Battery |   |                      |
| OM5.2[1].1 | Identifier  | 412   | Test Case Fixed Data |
| OM5.2[1].2 | Text  | Cholesterol (total), serum                                  | Test Case Fixed Data |
| OM5.2[1].3 | Name of Coding System                                     | 99USI   | Test Case Fixed Data |
| OM5.2[1].4 | Alternate Identifier                                      | 2093-3  | Changeable Data      |
| OM5.2[1].5 | Alternate Text  | Cholesterol [Mass/volume] in Serum or Plasma                | Changeable Data      |
| OM5.2[1].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                                     | 99USI   | 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                                     | 99USI   | 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           | 99USI   | 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       |
|-----------------|---|------------------------------------|----------------------|
| <b>OM4.1</b>    | <b>Sequence Number - Test/Observation Master File</b> | 1.1                                | IG Fixed Data        |
| <b>OM4.3[1]</b> | <b>Container Description</b>                          | Serum Gel Tube (SGT)               | Changeable Data      |
| <b>OM4.4[1]</b> | <b>Container Volume</b>                               | 8.5                                | Changeable Data      |
| <b>OM4.5[1]</b> | <b>Container Units</b>                                |                                    |                      |
| OM4.5[1].1      | Identifier  | mL                                 | Changeable Data      |
| OM4.5[1].2      | Text  | milliliter                         | Changeable Data      |
| OM4.5[1].3      | Name of Coding System                                 | UCUM                               | Changeable Data      |
| OM4.5[1].7      | Coding System Version ID                              | 1.8                                | Changeable Data      |
| <b>OM4.6</b>    | <b>Specimen</b>                                       |                                    |                      |
| 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      |
| <b>OM4.7</b>    | <b>Additive</b>                                       |                                    |                      |
| 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      |
| <b>OM4.10</b>   | <b>Normal Collection Volume</b>                       |                                    |                      |
| 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      |
| <b>OM4.11</b>   | <b>Minimum Collection Volume</b>                      |                                    |                      |
| 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      |
| <b>OM4.12</b>    | <b>Specimen Requirements</b>  | Keep at room temperature | Changeable Data      |
| <b>OM4.15[1]</b> | <b>Specimen Handling Code</b> |                          |                      |
| OM4.15[1].1      | Identifier                    | AMB                      | Changeable Data      |
| OM4.15[1].2      | Text                          | Ambient temperature      | Changeable Data      |
| OM4.15[1].3      | Name of Coding System         | HL70376                  | Changeable Data      |
| OM4.15[1].7      | Coding System Version ID      | 2.5.1                    | Changeable Data      |
| <b>OM4.16</b>    | <b>Specimen Preference</b>    | P                        | Test Case Fixed Data |

OM4 :

| Location        | Data Element  | Data                  | Categorization       |
|-----------------|---|-----------------------|----------------------|
| <b>OM4.1</b>    | <b>Sequence Number - Test/Observation Master File</b> | 1.2                   | IG Fixed Data        |
| <b>OM4.3[1]</b> | <b>Container Description</b>                          | Red, No Additive tube | Changeable Data      |
| <b>OM4.4[1]</b> | <b>Container Volume</b>                               | 10                    | Changeable Data      |
| <b>OM4.5[1]</b> | <b>Container Units</b>                                |                       |                      |
| OM4.5[1].1      | Identifier  | mL                    | Changeable Data      |
| OM4.5[1].2      | Text  | milliliter            | Changeable Data      |
| OM4.5[1].3      | Name of Coding System                                 | UCUM                  | Changeable Data      |
| OM4.5[1].7      | Coding System Version ID                              | 1.8                   | Changeable Data      |
| <b>OM4.6</b>    | <b>Specimen</b>                                       |                       |                      |
| 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      |
| <b>OM4.10</b>   | <b>Normal Collection Volume</b>                       |                       |                      |
| 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      |
| <b>OM4.11</b>   | <b>Minimum Collection Volume</b>                      |                       |                      |
| 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      |
| <b>OM4.12</b>    | <b>Specimen Requirements</b>                 | Keep at room temperature | Changeable Data      |
| <b>OM4.15[1]</b> | <b>Specimen Handling Code</b>                |                          |                      |
| OM4.15[1].1      | Identifier                                   | AMB                      | Changeable Data      |
| OM4.15[1].2      | Text   | Ambient temperature      | Changeable Data      |
| OM4.15[1].3      | Name of Coding System                        | HL70376                  | Changeable Data      |
| OM4.15[1].7      | Coding System Version ID                     | 2.5.1                    | Changeable Data      |
| <b>OM4.16</b>    | <b>Specimen Preference</b>                   | A                        | Test Case Fixed Data |
| <b>OM4.17</b>    | <b>Preferred Specimen/Attribute Sequence</b> | 1.1                      | Test Case Fixed Data |

## Test Data Specification

### Master File Identification

| Element name          | Data  |
|-----------------------|---|
| File-Level Event Code | Change file records as defined in the record-level event codes for each record that follows |

### Battery information [1]

### Master File Entry

| Element name            | Data                          |
|-------------------------|-------------------------------|
| Record-Level Event Code | Update record for master file |
| Effective Date/Time     | 2013-12-19 2:53:10pm          |
| Primary Key Value - MFE | Lipid Panel - direct LDL      |

### General Segment

| Element name   | Data   |
|--|--|
| Specimen Required                                      | Yes  |
| Producer ID  | Century Hospital Clinical Laboratory   |
| Other Service/Test/Observation IDs for the Observation | Lipid panel with direct LDL - Serum or Plasma  |
| Preferred Report Name for the Observation              | Lipid Panel - direct LDL   |
| Orderability   | Yes  |
| Nature of Service/Test/Observation                     | P  |
| 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). |
| Factors that may Affect the Observation                | Insufficient specimen, Improper labeling   |
| Service/Test/Observation Performance Schedule          | Monday through Friday  |
| Exclusive Test   | This test can be included with any number of other tests   |
| Diagnostic Service Sector ID                           | Laboratory   |
| Expected Turn-Around Time                              | 1 day  |

### Observation batteries

| Element name  | Data  |
|---|---|
| Test/Observations Included Within an Ordered Test Battery [1] | Cholesterol (total), serum                                  |
| Test/Observations Included Within an Ordered Test Battery [2] | High density lipoprotein cholesterol, serum (HDL)           |
| Test/Observations Included Within an Ordered Test Battery [3] | Low density lipoprotein cholesterol, serum (LDL) - measured |

|   |                      |
|---|----------------------|
| Test/Observations Included Within an Ordered Test Battery [4] | Triglycerides, serum |
|---|----------------------|

## Observations that Require Specimens

| Element name                                   | Data                               |
|--|------------------------------------|
| Sequence Number - Test/Observation Master File | 1.1                                |
| Container Description                          | Serum Gel Tube (SGT)               |
| Container Volume                               | 8.5                                |
| Container Units                                | milliliter                         |
| Specimen                                       | Serum specimen                     |
| Additive                                       | Serum Separator Tube (Polymer Gel) |
| Normal Collection Volume                       | 0.5 milliliter                     |
| Minimum Collection Volume                      | 0.25 milliliter                    |
| Specimen Requirements                          | Keep at room temperature           |
| Specimen Handling Code                         | Ambient temperature                |
| Specimen Preference                            | Preferred                          |

## Observations that Require Specimens

| Element name                                   | Data                     |
|--|--------------------------|
| Sequence Number - Test/Observation Master File | 1.2                      |
| Container Description                          | Red, No Additive tube    |
| Container Volume                               | 10                       |
| Container Units                                | milliliter               |
| Specimen                                       | Serum specimen           |
| Normal Collection Volume                       | 0.5 milliliter           |
| Minimum Collection Volume                      | 0.25 milliliter          |
| Specimen Requirements                          | Keep at room temperature |
| Specimen Handling Code                         | Ambient temperature      |
| Specimen Preference                            | Alternate                |
| Preferred Specimen/Attribute Sequence ID       | 1.1                      |