

# **NIST HL7 V2 Validation Tool Test Data Electronic Directory Of Service (eDOS)**

**Version 1.0**

**13th March, 2015**

# **eDOS Test Case EDOS\_2.2\_3.1-M04\_GU**

**M04\_Update\_revise**

## Test Story

### Description

The originator of the eDOS is the Century Hospital Clinical Laboratory located at 2070 Test Park, Los Angeles, CA, 90067, CLIA: 24D9871327, phone number: (310) 461-3666.

The Sender is the Century Hospital Clinical Laboratory LIS.

The Receiver is Dr. Radon's Office EHR.

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 has made changes to their test compendium:

- Removed a CPT code from CBC with Differential and changed a usage note.

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

### Comments

Update changes for revision of charge codes (CPT codes).

### 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\_2.2\_1.1-M08\_Update\_Revise  
and  
EDOS\_2.2\_2.1-M10\_Update\_Revise  
have been completed.

### PostCondition

No Post-Conditions.

### TestObjectives

- Demonstrate capability to support a M04 update message - action: revision

Notes to Testers

|           |
|-----------|
|           |
| No Notes. |

## Message Content Data Sheet

### Test Case Information

| EDOS_2.2_3.1-M04_GU - M04_Update_revise |                     |
|---|---------------------|
| Test Case ID                            | EDOS_2.2_3.1-M04_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              | M04                         | IG Fixed Data     |
| MSH.9.3  | Message Structure          | MFN_M04                     | IG Fixed Data     |
| MSH.10   | Message Control ID         | EDOS_2.2_3.1-M04_GU         | 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   |

|                  |  |                        |                      |
|------------------|--|------------------------|----------------------|
| <b>MSH.16</b>    | <b>Application Acknowledgment Type</b> | NE                     | Changeable Data      |
| <b>MSH.21[1]</b> | <b>Message Profile Identifier</b>      |                        |                      |
| 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_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       |
|--------------|-------------------------------|--------------------------------|----------------------|
| <b>MFI.1</b> | <b>Master File Identifier</b> |                                |                      |
| MFI.1.1      | Identifier                    | CDM                            | IG Fixed Data        |
| MFI.1.2      | Text                          | Charge description 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 :

| Location     | Data Element                   | Data           | Categorization       |
|--------------|--------------------------------|----------------|----------------------|
| <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                     | 200            | Changeable Data      |
| MFE.4.2      | Text                           | CBC_diff       | 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        |

## CDM :

| Location        | Data Element                    | Data   | Categorization       |
|-----------------|---------------------------------|--|----------------------|
| <b>CDM.1</b>    | <b>Primary Key Value - CDM</b>  |  |                      |
| CDM.1.1         | Identifier                      | 200  | Test Case Fixed Data |
| CDM.1.2         | Text                            | CBC_diff   | Changeable Data      |
| CDM.1.3         | Name of Coding System           | 99USI  | Changeable Data      |
| CDM.1.7         | Coding System Version ID        | 20130421   | Changeable Data      |
| <b>CDM.3</b>    | <b>Charge Description Short</b> | CBC_diff   | Changeable Data      |
| <b>CDM.7[1]</b> | <b>Procedure Code</b>           |  |                      |
| CDM.7[1].1      | Identifier                      | 85060  | Changeable Data      |
| CDM.7[1].2      | Text                            | BLOOD SMEAR,<br>PERIPHERAL,<br>INTERPRETATION BY<br>PHYSICIAN WITH WRITTEN<br>REPORT | Changeable Data      |
| CDM.7[1].3      | Name of Coding System           | C4   | IG Fixed Data        |
| CDM.7[1].7      | Coding System Version ID        | 19.2   | Changeable Data      |
| <b>CDM.7[2]</b> | <b>Procedure Code</b>           |  |                      |
| CDM.7[2].1      | Identifier                      | 85060  | Changeable Data      |
| CDM.7[2].2      | Text                            | BLOOD SMEAR,<br>PERIPHERAL,<br>INTERPRETATION BY<br>PHYSICIAN WITH WRITTEN<br>REPORT | Changeable Data      |
| CDM.7[2].3      | Name of Coding System           | C4   | IG Fixed Data        |
| CDM.7[2].7      | Coding System Version ID        | 19.2   | Changeable Data      |

## NTE :

| Location        | Data Element        | Data  | Categorization  |
|-----------------|---------------------|---|-----------------|
| <b>NTE.1</b>    | <b>Set ID - NTE</b> | 1   | Changeable Data |
| <b>NTE.3[1]</b> | <b>Comment</b>      | CPT Code Information:<br>85060-"Blood smear, peripheral,<br>interpretation by physician with<br>written report" are billed if<br>appropriate depending on results<br>of CBC. A manual differential<br>count (85007) "Blood count;<br>blood smear, microscopic<br>examination with manual<br>differential WBC count" will<br>only be performed if specifically<br>ordered. | Changeable 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 |

### Charge description 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 | CBC_diff                      |

### Charge description

| Element name             | Data   |
|--------------------------|--|
| Charge Description Short | CBC_diff   |
| Procedure Code [1]       | BLOOD SMEAR, PERIPHERAL, INTERPRETATION BY PHYSICIAN WITH WRITTEN REPORT |
| Procedure Code [2]       | BLOOD SMEAR, PERIPHERAL, INTERPRETATION BY PHYSICIAN WITH WRITTEN REPORT |

### Notes

| Element name | Data   |
|--------------|--|
| Set id       | 1  |
| Comment      | CPT Code Information: 85060-"Blood smear, peripheral, interpretation by physician with written report" are billed if appropriate depending on results of CBC. A manual differential count (85007) "Blood count; blood smear, microscopic examination with manual differential WBC count" will only be performed if specifically ordered. |



## HL7 Message

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^M04^MFN\_M04|EDOS\_2.2\_3.1-M04\_GU|T|2.5.1|||AL|NE|||E DOS\_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

MF|CDM^Charge description master file^HL70175^^^^2.5.1||UPD|||NE

MFE|MUP||20131219145310|200^CBC\_diff^99USI^^^^20130421|CWE

CDM|200^CBC\_diff^99USI^^^^20130421||CBC\_diff|||85060^BLOOD SMEAR, PERIPHERAL, INTERPRETATION BY PHYSICIAN WITH WRITTEN REPORT^C4^^^^19.2~85060^BLOOD SMEAR, PERIPHERAL, INTERPRETATION BY PHYSICIAN WITH WRITTEN REPORT^C4^^^^19.2

NTE|1||CPT Code Information: 85060-"Blood smear, peripheral, interpretation by physician with written report" are billed if appropriate depending on results of CBC. A manual differential count (85007) "Blood count; blood smear, microscopic examination with manual differential WBC count" will only be performed if specifically ordered.