

Description

The initial Laboratory Test Compendium built by Century Hospital Clinical Laboratory consists of a single Prothrombin Time panel (PT +INR). This compendium is delivered electronically to Dr. Nicholas Radon's practice EHR, as agreed to between Laboratory and Dr. Radon's Office and EHR-S Vendor. The EHR-S will integrate the eDOS into its test directory and use it to allow Dr. Radon to place orders electronically to Century Hospital's Clinical Laboratory. The initial laboratory test compendium is composed of four messages. After Century Hospital's LIS transmits the first and second messages which provides information about the PT and INR observations and then orderable PT + INR panel, it sends the third message which provides information about CPT procedure codes for the PT + INR panel.

Comments

This is the initial "smoke testing" to reveal simple failures severe enough to preclude further testing. Initial upload of a charge code (CPT code) for a panel for a new compendium. Since this is a replace message, all data in this message will replace information from a previous eDOS M04 message.

PreCondition

EDOS_0.0_1.1-M08_New_SmokeTest
and
EDOS_0.0_2.1-M10_New_SmokeTest
have been completed.

PostCondition

eDOS M08, M10 and M04 data elements are incorporated appropriately into the EHR-S.

TestObjectives

- Demonstrate capability to support a minimal M04 initial load message.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MSH segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MFI segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MFE segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the CDM segment.

Test Case Information

EDOS_0.0_3.1-M04-NG - M04_New_Smoke_Test

| | |
|--------------|---------------------|
| Test Case ID | EDOS_0.0_3.1-M04_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 | M04 | IG Fixed Data |
| MSH.9.3 | Message Structure | MFN_M04 | IG Fixed Data |
| MSH.10 | Message Control ID | EDOS_0.0_3.1-M04-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_NG_Profile | Test Case Fixed Data |
| MSH.21.3 | Universal ID | 2.16.840.1.113883.9.71 | Test Case Fixed Data |
| MSH.21.4 | Universal ID Type | ISO | IG Fixed Data |

MFI

| Location | Data Element | Data | Categorization |
|----------|------------------------|---------|----------------------|
| MFI.1 | Master File Identifier | | |
| MFI.1.1 | Identifier | CDM | IG Fixed Data |
| MFI.1.3 | Name of Coding System | HL70175 | IG Fixed Data |
| MFI.3 | File-Level Event Code | REP | 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 | 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 | 10 | Changeable Data |
| MFE.4.2 | Text | PT + INR | Changeable Data |
| MFE.4.3 | Name of Coding System | 99USL | Changeable Data |
| MFE.5 | Primary Key Value Type | CWE | IG Fixed Data |

CDM

| Location | Data Element | Data | Categorization |
|----------|-------------------------|----------|----------------------|
| CDM.1 | Primary Key Value - CDM | | |
| CDM.1.1 | Identifier | 10 | Test Case Fixed Data |
| CDM.1.2 | Text | PT + INR | Changeable Data |
| CDM.1.3 | Name of Coding System | 99USL | Changeable Data |

| CDM Location | Charge Description | Data Element | N/A | Data | IG Fixed Data | Categorization |
|--------------|-----------------------|--------------|------------------|------|---------------|-----------------|
| CDM.7 | Procedure Code | | | | | |
| CDM.7.1 | Identifier | | 85610 | | | Changeable Data |
| CDM.7.2 | Text | | Prothrombin Time | | | Changeable Data |
| CDM.7.3 | Name of Coding System | | C4 | | | IG Fixed Data |

| Element | Data |
|------------|------|
| Identifier | CDM |
| Event code | REP |

Charge Information - PT + INR

Record information

| Element | Data |
|-------------------------------------|----------------|
| Event code | MAD |
| Effective date and time | 20131219145310 |
| Test/Panel Name | PT + INR |
| Test/Panel identifier (code system) | 10 (99USL) |

Charge details

| Element | Data |
|--|------------------|
| Primary key value | PT + INR |
| Primary key value (code & code system) | 10 (99USL) |
| Charge description | N/A |
| Procedure code | Prothrombin Time |
| Procedure code(code & code system) | 85610 (C4) |

MSH|^~\&|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M04^MFN_M04|EDOS_0.0_3.1-M04-N
G|D|2.5.1|||||EDOS_NG_Profile^^2.16.840.1.113883.9.71^ISO
MFI|CDM^^HL70175||REP|||NE
MFE|MAD||20131219145310|10^PT + INR^99USL|CWE
CDM|10^PT + INR^99USL||N/A||||85610^Prothrombin Time^C4