

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
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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.3 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