

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 three messages with the test, panel and charge information, it sends the fourth message, which provides information about the tests that are covered by Medicare insurance.

Comments

This is the initial "smoke testing" to reveal simple failures severe enough to preclude further testing. Initial upload of a list of approved coverage for a panel in a new compendium. Since this is a replace message, all data in this message will replace information from a previous eDOS M18 message.

PreCondition

EDOS_0.0_1.1-M08_New_SmokeTest
and
EDOS_0.0_2.1-M10_New_SmokeTest
and
EDOS_0.0_3.1-M04_New_SmokeTest
have been completed.

PostCondition

eDOS M08, M10, M04 and M18 data elements are incorporated appropriately into the EHR-S.

TestObjectives

- Demonstrate capability to support a minimal M18 approved coverage 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 PM1 segment.
- Demonstrate capability to support a single occurrence of all required ("R") elements in the MCP segment.

Test Case Information

EDOS_0.0_4.1-M18_NG - M18_New_Smoke_Test

Test Case ID	EDOS_0.0_4.1-M18_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.4	Sending Facility		
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.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_0.0_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_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	MLCP	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

PM1

Location	Data Element	Data	Categorization
PM1.1	Health Plan ID		
PM1.1.2	Text	Healthplan1	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	10	Test Case Fixed Data
MCP.2.2	Text	PT + INR	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data

Element	Data
Identifier	MLCP
Event code	REP

Payer 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)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan1
Insurance Company	SMCA2

MSH|^~\&|^2.16.840.1.113883.3.72.5.21^ISO|||20130421113601-0700||MFN^M18^MFN_M18|EDOS_0.0_4.1-M18_NG|D|2.5.1|||||||E
DOS_NG_Profile^^2.16.840.1.113883.9.71^ISO

MF1|MLCP^^HL70175||REP|||NE

MFE|MAD||20131219145310|10^PT + INR^99USL|CWE

PM1|^Healthplan1|SMCA2^^^NIST EHR^XX

MCP|1|10^PT + INR^99USL