

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

Version 1.0

13th March, 2015

eDOS Test Case EDOS_2.1_3.1-M04_GU

M04_Update_add

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:

- Added CPT codes for the Stool culture with susceptibility reflex
- Added CPT codes for the susceptibility panel
- Added CPT codes for the individually orderable stool culture

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

Comments

Update changes for addition of charge codes (CPT codes) for individually orderable tests as well as the new panels.

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_2.1_1.1-M08_Update_Add
and
EDOS_2.1_2.1-M10_Update_Add
have been completed.

PostCondition

No Post-Conditions.

TestObjectives

- Demonstrate capability to support a M04 update message - action: addition.

Notes to Testers

No Notes.

Message Content Data Sheet

Test Case Information

EDOS_2.1_3.1-M04_GU - M04_Update_add	
Test Case ID	EDOS_2.1_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_2.1_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

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
MSH.21[2]	Message Profile Identifier		
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
MFI.1	Master File Identifier		
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
MFI.3	File-Level Event Code	UPD	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	1101	Changeable Data
MFE.4.2	Text	Stool culture	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	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	1101	Test Case Fixed Data
CDM.1.2	Text	Stool culture	Changeable Data
CDM.1.3	Name of Coding System	99USI	Changeable Data
CDM.1.7	Coding System Version ID	20130421	Changeable Data
CDM.3	Charge Description Short	Stool Culture with Susceptibility Reflex	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	87045	Changeable Data
CDM.7[1].2	Text	Enteric Pathogens Culture, Stool-with isolation and preliminary examination	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

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	1100	Changeable Data
MFE.4.2	Text	Stool culture with Susceptibility	Changeable Data
MFE.4.3	Name of Coding System	99USI	Changeable Data
MFE.4.7	Coding System Version ID	20130421	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	1100	Test Case Fixed Data
CDM.1.2	Text	Stool culture with Susceptibility	Changeable Data
CDM.1.3	Name of Coding System	99USI	Changeable Data
CDM.1.7	Coding System Version ID	20130421	Changeable Data

CDM.3	Charge Description Short	Stool Culture with Susceptibility Reflex	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	87045	Changeable Data
CDM.7[1].2	Text	Enteric Pathogens Culture, Stool-with isolation and preliminary examination	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
CDM.7[2]	Procedure Code		
CDM.7[2].1	Identifier	87181	Changeable Data
CDM.7[2].2	Text	Susceptibility per drug and per organism for drugs not in routine battery	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

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	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Stool culture

Charge description

Element name	Data
Charge Description Short	Stool Culture with Susceptibility Reflex
Procedure Code [1]	Enteric Pathogens Culture, Stool-with isolation and preliminary examination

Charge description information [2]

Master File Entry

Element name	Data
Record-Level Event Code	Add record to master file
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Stool culture with Susceptibility

Charge description

Element name	Data
Charge Description Short	Stool Culture with Susceptibility Reflex
Procedure Code [1]	Enteric Pathogens Culture, Stool-with isolation and preliminary examination
Procedure Code [2]	Susceptibility per drug and per organism for drugs not in routine battery

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_2.1_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

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

MFE|MAD||20131219145310|1101^Stool culture^99USI^^^^20130421|CWE

CDM|1101^Stool culture^99USI^^^^20130421||Stool Culture with Susceptibility Reflex|||87045^Enteric Pathogens Culture, Stool-with isolation and preliminary examination^C4^^^^19.2

MFE|MAD||20131219145310|1100^Stool culture with Susceptibility^99USI^^^^20130421|CWE

CDM|1100^Stool culture with Susceptibility^99USI^^^^20130421||Stool Culture with Susceptibility Reflex|||87045^Enteric Pathogens Culture, Stool-with isolation and preliminary examination^C4^^^^19.2~87181^Susceptibility per drug and per or ganism for drugs not in routine battery^C4^^^^19.2