

NIST HL7 V2 Validation Tool Test Data

Electronic Directory Of Service (eDOS)

Version 1.0

13th March, 2015

eDOS Test Case EDOS_2.4_3.1-M04_GU

M04_Update_combo

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 a CPT code for the Lipid Panel
- Added a CPT code for the Measured Low density lipoprotein cholesterol, serum (LDL) test
- Deactivated the CPT codes for the Saint Luis Encephalitis IgG Antibody test and the Arbovirus Panel
- Revised the CPT code for the Prostate Biopsy.

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

Comments

Combination of update changes including addition, revision and deactivation 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_2.4_1.1-M08_Update_combo
 and
 EDOS_2.4_2.1-M10_Update_combo
 have been completed.

PostCondition

No Post-Conditions.

TestObjectives

- Demonstrate capability to support a M04 update message - action: combination of addition, de-activation and revision.

Notes to Testers

No Notes.

Message Content Data Sheet

Test Case Information

EDOS_2.4_3.1-M04_GU - M04_Update_combo	
Test Case ID	EDOS_2.4_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_2.4_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	MDC	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	1300	Changeable Data
MFE.4.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum	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	1300	Test Case Fixed Data
CDM.1.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum	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	Arbovirus IgG and IgM Panel	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	86788	Changeable Data
CDM.7[1].2	Text	West Nile virus antibody, IgM	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	86789	Changeable Data
CDM.7[2].2	Text	West Nile virus antibody, IgG	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
CDM.7[3]	Procedure Code		
CDM.7[3].1	Identifier	86790	Changeable Data
CDM.7[3].2	Text	DengueFever antibody, IgG and IgM	Changeable Data
CDM.7[3].3	Name of Coding System	C4	IG Fixed Data
CDM.7[3].7	Coding System Version ID	19.2	Changeable Data
CDM.7[4]	Procedure Code		
CDM.7[4].1	Identifier	86790	Changeable Data
CDM.7[4].2	Text	DengueFever antibody, IgG and IgM	Changeable Data
CDM.7[4].3	Name of Coding System	C4	IG Fixed Data
CDM.7[4].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	400	Changeable Data
MFE.4.2	Text	Lipid Panel	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	400	Test Case Fixed Data
CDM.1.2	Text	Lipid Panel	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	Lipid Panel	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	80061	Changeable Data
CDM.7[1].2	Text	Lipid panel This panel must include the following: Cholesterol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglycerides (84478)	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	410	Changeable Data
MFE.4.2	Text	Low density lipoprotein cholesterol, serum (LDL) - measured	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
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CDM :

Location	Data Element	Data	Categorization
CDM.1	Primary Key Value - CDM		
CDM.1.1	Identifier	410	Test Case Fixed Data
CDM.1.2	Text	Low density lipoprotein cholesterol, serum (LDL) - measured	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	Low density lipoprotein cholesterol, serum (LDL)	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	87721	Changeable Data
CDM.7[1].2	Text	lipoprotein, direct measurement; low density cholesterol (ldl cholesterol)	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	MUP	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	600	Changeable Data
MFE.4.2	Text	Prostate Biopsy Pathology Report	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
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CDM.1	Primary Key Value - CDM		
CDM.1.1	Identifier	600	Test Case Fixed Data
CDM.1.2	Text	Prostate Biopsy Pathology Report	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	Prostate Biopsy Pathology Report	Changeable Data
CDM.7[1]	Procedure Code		
CDM.7[1].1	Identifier	G0416	Changeable Data
CDM.7[1].2	Text	Surgical pathology, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens	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	MDC	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	1305	Changeable Data
MFE.4.2	Text	SLE IgG Titer Serum	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	1305	Changeable Data
CDM.1.2	Text	SLE IgG Titer Serum	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	SLE IgG	Changeable Data
CDM.7[1]	Procedure Code		

CDM.7[1].1	Identifier	86653	Changeable Data
CDM.7[1].2	Text	St. Louis encephalitis antibody, IgG and IgM	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

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	Deactivate: discontinue using record in master file, but do not delete from database
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum

Charge description

Element name	Data
Charge Description Short	Arbovirus IgG and IgM Panel
Procedure Code [1]	West Nile virus antibody, IgM
Procedure Code [2]	West Nile virus antibody, IgG
Procedure Code [3]	DengueFever antibody, IgG and IgM
Procedure Code [4]	DengueFever antibody, IgG and IgM

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	Lipid Panel

Charge description

Element name	Data
Charge Description Short	Lipid Panel

Procedure Code [1]	Lipid panel This panel must include the following: Cholesterol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglycerides (84478)
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Charge description information [3]

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	Low density lipoprotein cholesterol, serum (LDL) - measured

Charge description

Element name	Data
Charge Description Short	Low density lipoprotein cholesterol, serum (LDL)
Procedure Code [1]	lipoprotein, direct measurement; low density cholesterol (ldl cholesterol)

Charge description information [4]

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	Prostate Biopsy Pathology Report

Charge description

Element name	Data
Charge Description Short	Prostate Biopsy Pathology Report
Procedure Code [1]	Surgical pathology, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens

Charge description information [5]

Master File Entry

Element name	Data
Record-Level Event Code	Deactivate: discontinue using record in master file, but do not delete from database
Effective Date/Time	2013-12-19 2:53:10pm
Primary Key Value - MFE	SLE IgG Titer Serum

Charge description

Element name	Data
Charge Description Short	SLE IgG
Procedure Code [1]	St. Louis encephalitis antibody, IgG and IgM

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_2.4_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|MDC||20131219145310|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USI^^^^20130421|CWE

CDM|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USI^^^^20130421||Arbovirus IgG and IgM Panel|||86788^West Nile virus antibody, IgM^C4^^^^19.2~86789^West Nile virus antibody, IgG^C4^^^^19.2~86790^DengueFever antibody, IgG and I gM^C4^^^^19.2~86790^DengueFever antibody, IgG and IgM^C4^^^^19.2

MFE|MAD||20131219145310|400^Lipid Panel^99USI^^^^20130421|CWE

CDM|400^Lipid Panel^99USI^^^^20130421||Lipid Panel|||80061^Lipid panel This panel must include the following: Choleste rol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglyceri des (84478)^C4^^^^19.2

MFE|MAD||20131219145310|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USI^^^^20130421|CWE

CDM|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USI^^^^20130421||Low density lipoprotein choleste rol, serum (LDL)|||87721^lipoprotein, direct measurement; low density cholesterol (ldl cholesterol)^C4^^^^19.2

MFE|MUP||20131219145310|600^Prostate Biopsy Pathology Report^99USI^^^^20130421|CWE

CDM|600^Prostate Biopsy Pathology Report^99USI^^^^20130421||Prostate Biopsy Pathology Report|||G0416^Surgical patholog y, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens^C4^^^^19.2

MFE|MDC||20131219145310|1305^SLE IgG Titer Serum^99USI^^^^20130421|CWE

CDM|1305^SLE IgG Titer Serum^99USI^^^^20130421||SLE IgG|||86653^St. Louis encephalitis antibody, IgG and IgM^C4^^^^19.2