Description

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-S to place orders electronically to Century Hospital's Clinical Laboratory. Century Hospital's has revised the Lipid panel and made its components orderable. Century Hospital's LIS transmits the appropriate eDOS update message to revise this information in Dr. Radon's EHR.

Comments

Update message to change a charge component that was part of a previous update of the compendium. This update adds a CPT charge code for an newly orderable individual Lipid panel component.

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_1.0_4.1-M18_New_Approved
and
EDOS_1.0_5.1-M18_New_Limited
and
EDOS_2.4_1.1-M08_Update_Combo
and
EDOS_2.4_2.1-M10_Update_Combo
and
EDOS_2.4_3.1-M04_Update_Combo
and
EDOS_2.4_4.1-M18_Update_Combo
and
EDOS_2.5_1.1-M08_Update_Revise_PostCombo
and
EDOS_2.5_2.1-M10_Update_Revise_PostCombo
have been completed.

PostCondition

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

TestObjectives

- Demonstrate capability to support a M04 update message- action: subsequent update to information previously sent via an update message.

EDOS_2.5_3.1-M04-NG - M04_Update_revise_postCombo	
Test Case ID	EDOS_2.5_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_2.5_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_Common_Component	Test Case Fixed Data
MSH.21.2	Namespace ID	EDOS Base Profile	Changeable Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.67	Test Case Fixed Data
MSH.21.4	Universal ID Type	ISO	IG Fixed Data
MSH.21[2]	**Message Profile Identifier**		
MSH.21[2].1	Entity Identifier	EDOS_NG_Component	Test Case Fixed Data
MSH.21[2].2	Namespace ID	EDOS NG Profile	Changeable Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.69	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	402	Changeable Data
MFE.4.2	Text	Cholesterol (total), serum	Changeable Data
MFE.4.3	Name of Coding System	99USL	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	402	Test Case Fixed Data
CDM.1.2	Text	Cholesterol (total), serum	Changeable Data
CDM.1.3	Name of Coding System	99USL	Changeable Data
CDM.1.7	Coding System Version ID	20130421	Changeable Data
CDM.3	**Charge Description Short**	N/A	IG Fixed Data
CDM.7	**Procedure Code**		
CDM.7.1	Identifier	82465	Changeable Data
CDM.7.2	Text	cholesterol, serum or whole blood, total	Changeable Data
CDM.7.3	Name of Coding System	C4	IG Fixed Data
CDM.7.7	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	404	Changeable Data
MFE.4.2	Text	High density lipoprotein cholesterol, serum (HDL)	Changeable Data
MFE.4.3	Name of Coding System	99USL	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	404	Test Case Fixed Data
CDM.1.2	Text	High density lipoprotein cholesterol, serum (HDL)	Changeable Data
CDM.1.3	Name of Coding System	99USL	Changeable Data
CDM.1.7	Coding System Version ID	20130421	Changeable Data
CDM.3	**Charge Description Short**	N/A	IG Fixed Data
CDM.7	**Procedure Code**		
CDM.7.1	Identifier	83718	Changeable Data
CDM.7.2	Text	lipoprotein, direct measurement; high density cholesterol (hdl cholesterol)	Changeable Data
CDM.7.3	Name of Coding System	C4	IG Fixed Data
CDM.7.7	Coding System Version ID	19.2	Changeable Data

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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	408	Changeable Data
MFE.4.2	Text	Triglycerides, serum	Changeable Data
MFE.4.3	Name of Coding System	99USL	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	408	Test Case Fixed Data
CDM.1.2	Text	Triglycerides, serum	Changeable Data
CDM.1.3	Name of Coding System	99USL	Changeable Data
CDM.1.7	Coding System Version ID	20130421	Changeable Data
CDM.3	**Charge Description Short**	N/A	IG Fixed Data
CDM.7	**Procedure Code**		
CDM.7.1	Identifier	84478	Changeable Data
CDM.7.2	Text	triglycerides	Changeable Data
CDM.7.3	Name of Coding System	C4	IG Fixed Data
CDM.7.7	Coding System Version ID	19.2	Changeable Data

Element	Data
Identifier	CDM
Event code	UPD

Charge Information - Cholesterol (total), serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Cholesterol (total), serum
Test/Panel identifier (code system)	402 (99USL)

Charge details

Element	Data
Primary key value	Cholesterol (total), serum
Primary key value (code & code system)	402 (99USL)
Charge description	N/A
Procedure code	cholesterol, serum or whole blood, total
Procedure code(code & code system)	82465 (C4)

Charge Information - High density lipoprotein cholesterol, serum (HDL)

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	High density lipoprotein cholesterol, serum (HDL)
Test/Panel identifier (code system)	404 (99USL)

Charge details

Element	Data
Primary key value	High density lipoprotein cholesterol, serum (HDL)
Primary key value (code & code system)	404 (99USL)
Charge description	N/A
Procedure code	lipoprotein, direct measurement; high density cholesterol (hdl cholesterol)
Procedure code(code & code system)	83718 (C4)

Charge Information - Triglycerides, serum

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Triglycerides, serum
Test/Panel identifier (code system)	408 (99USL)

Charge details

Element	Data
Primary key value	Triglycerides, serum
Primary key value (code & code system)	408 (99USL)
Charge description	N/A
Procedure code	triglycerides
Procedure code(code & code system)	84478 (C4)

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M04^MFN_M04|EDOS_2.5_3.1-M04-NG|D|2.5.1|||||||||EDOS_Common_Component^EDOS Base Profile^2.16.840.1.113883.9.67^ISO~EDOS_NG_Component^EDOS NG Profile^
2.16.840.1.113883.9.69^ISO

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

MFE|MAD||20131219145310|402^Cholesterol (total), serum^99USL^^^^20130421|CWE

CDM|402^Cholesterol (total), serum^99USL^^^^20130421||N/A||||82465^cholesterol, serum or whole blood, total^C4^^^^19.2

MFE|MAD||20131219145310|404^High density lipoprotein cholesterol, serum (HDL)^99USL^^^^20130421|CWE

CDM|404^High density lipoprotein cholesterol, serum (HDL)^99USL^^^^20130421||N/A||||83718^lipoprotein, direct measurement; high density cholesterol (hdl cholesterol)^C4^^^^19.2

MFE|MAD||20131219145310|408^Triglycerides, serum^99USL^^^^20130421|CWE

CDM|408^Triglycerides, serum^99USL^^^^20130421||N/A||||84478^triglycerides^C4^^^^19.2