

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 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_1.0_4.1-M18_New_Approved
and
EDOS_1.0_5.1-M18_New_Limited
and
EDOS_2.1_1.1-M08_Update_Add
and
EDOS_2.1_2.1-M10_Update_Add
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: addition

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	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_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

Location	Effective Date/Time	Data Element	Data	Categorization
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		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	1101	Test Case Fixed Data
CDM.1.2	Text	Stool culture	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	87045	Changeable Data
CDM.7.2	Text	Enteric Pathogens Culture, Stool-with isolation and preliminary examination	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	1100	Changeable Data
MFE.4.2	Text	Stool culture with Susceptibility	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	1100	Test Case Fixed Data
CDM.1.2	Text	Stool culture with Susceptibility	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	87045	Changeable Data
CDM.7.2	Text	Enteric Pathogens Culture, Stool-with isolation and preliminary examination	Changeable Data
CDM.7.3	Name of Coding System	C4	IG Fixed Data
CDM.7.7	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

Element	Data
Identifier	CDM
Event code	UPD

Charge Information - Stool culture

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Stool culture
Test/Panel identifier (code system)	1101 (99USL)

Charge details

Element	Data
Primary key value	Stool culture
Primary key value (code & code system)	1101 (99USL)
Charge description	N/A
Procedure code	Enteric Pathogens Culture, Stool-with isolation and preliminary examination
Procedure code(code & code system)	87045 (C4)

Charge Information - Stool culture with Susceptibility

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Stool culture with Susceptibility
Test/Panel identifier (code system)	1100 (99USL)

Charge details

Element	Data
Primary key value	Stool culture with Susceptibility
Primary key value (code & code system)	1100 (99USL)
Charge description	N/A
Procedure code	Enteric Pathogens Culture, Stool-with isolation and preliminary examination
Procedure code(code & code system)	87045 (C4)
Procedure code	Susceptibility per drug and per organism for drugs not in routine battery
Procedure code(code & code system)	87181 (C4)

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|D|2.5.1|||||||EDOS_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
SO

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

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

CDM|1101^Stool culture^99USL^^^^20130421||N/A|||87045^Enteric Pathogens Culture, Stool-with isolation and preliminary examination^C4^^^^19.2

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

CDM|1100^Stool culture with Susceptibility^99USL^^^^20130421||N/A|||87045^Enteric Pathogens Culture, Stool-with isolation and preliminary examination^C4^^^^19.2~87181^Susceptibility per drug and per organism for drugs not in routine battery^C4^^^^19.2