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 the following changes to their test compendium:
- Revised the LOINC for Penicillin susceptibility test.
Century Hospital's LIS transmits the appropriate eDOS update messages with these changes to Dr. Radon's EHR.

Comments

Update changes for revision of information about individual observations.

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
have been uploaded.

PostCondition

eDOS M08 data elements are incorporated appropriately into the EHR-S

TestObjectives

- Demonstrate capability to support a M08 update message - action: revision

EDOS_2.2_1.1-M08-NG - M08_Update_revise	
Test Case ID	EDOS_2.2_1.1-M08_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	M08	IG Fixed Data
MSH.9.3	Message Structure	MFN_M08	IG Fixed Data
MSH.10	**Message Control ID**	EDOS_2.2_1.1-M08-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	OMM	IG Fixed Data
MFI.1.2	Text	Mixed type observation 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**	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	1506	Changeable Data
MFE.4.2	Text	Penicillin	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data

Location	Data Element	Data	Categorization
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

OM1

Location	Data Element	Data	Categorization
OM1.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM1.2	Producer's Service/Test/Observation ID		
OM1.2.1	Identifier	1506	Changeable Data
OM1.2.2	Text	Penicillin	Changeable Data
OM1.2.3	Name of Coding System	99USL	Changeable Data
OM1.2.7	Coding System Version ID	20130421	Changeable Data
OM1.4	Specimen Required	N	Changeable Data
OM1.5	Producer ID		
OM1.5.1	Identifier	05D0669071	Changeable Data
OM1.5.2	Text	Century Hospital Clinical Laboratory	Changeable Data
OM1.5.3	Name of Coding System	99USL	Changeable Data
OM1.5.7	Coding System Version ID	2013	Changeable Data
OM1.7	Other Service/Test/Observation IDs for the Observation		
OM1.7.1	Identifier	6932-8	Test Case Fixed Data
OM1.7.2	Text	Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.7.3	Name of Coding System	LN	Test Case Fixed Data
OM1.9	Preferred Report Name for the Observation	Penicillin MIC	Changeable Data
OM1.12	Orderability	Y	Test Case Fixed Data
OM1.18	Nature of Service/Test/Observation	A	Test Case Fixed Data
OM1.39	Factors that may Affect the Observation	Insufficient specimen, Improper labeling.	Changeable Data
OM1.40	Service/Test/Observation Performance Schedule	Monday through Friday	Changeable Data
OM1.48	Exclusive Test	N	Changeable Data
OM1.49	Diagnostic Service Sector ID	LAB	Changeable Data
OM1.56	Observation Identifier associated with Producer's Service/Test/Observation ID		
OM1.56.1	Identifier	6932-8	Changeable Data
OM1.56.2	Text	Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC)	Changeable Data
OM1.56.3	Name of Coding System	LN	Test Case Fixed Data
OM1.56.4	Alternate Identifier	1506	Changeable Data
OM1.56.5	Alternate Text	Penicillin	Changeable Data
OM1.56.6	Name of Alternate Coding System	99USL	Changeable Data
OM1.57	Expected Turn-Around Time		
OM1.57.1	Quantity	3	Changeable Data
OM1.57.2	Units		
OM1.57.2.2	Text	day	Changeable Data

OM4

Location	Data Element	Data	Categorization
OM4.1	Sequence Number - Test/Observation Master File	1	IG Fixed Data
OM4.6	Specimen		
OM4.6.1	Identifier	429951000124103	Test Case Fixed Data
OM4.6.2	Text	Bacterial isolate specimen	Changeable Data
OM4.6.3	Name of Coding System	SCT	Test Case Fixed Data
OM4.6.7	Coding System Version ID	20130331	Changeable Data

Location	Data Element	Data	Categorization
OM4.12	Specimen Requirements	Organism must be in pure culture and actively growing. Place into large infectious container and label as " Infectious substance".	Changeable Data
OM4.15	Specimen Handling Code		
OM4.15.1	Identifier	CAMB	Changeable Data
OM4.15.2	Text	Critical ambient temperature	Changeable Data
OM4.15.3	Name of Coding System	HL70376	IG Fixed Data

Element	Data
Identifier	OMM
Event code	UPD

Test Details - Penicillin

Record information

Element	Data
Event code	MUP
Effective date and time	20131219145310
Test/Panel Name	Penicillin
Test/Panel identifier (code system)	1506 (99USL)

General information

Element	Data
Specimen required ?	N
Test/Panel other name	Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC)
Test/Panel other identifier (code system)	6932-8 (LN)
Preferred Report Name	Penicillin MIC
Is the test/panel orderable ?	Y
Nature	A
Factors that may affect the test	Insufficient specimen, Improper labeling.
Schedule	Monday through Friday
Is the test exclusive ?	N
Diagnostic Service Sector	LAB
Expected turn around time	3 day

Specimen information details

Element	Data
Sequence ID	1
Specimen (code & code system)	429951000124103 (SCT)
Specimen Requirements	Organism must be in pure culture and actively growing. Place into large infectious container and label as " Infectious substance".
Specimen Handling Code	Critical ambient temperature
Specimen Handling Code (code & code system)	CAMB (HL70376)

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M08^MFN_M08|EDOS_2.2_1.1-M08-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|OMM^Mixed type observation master file^HL70175^^^^2.5.1||UPD|||NE

MFE|MUP||20131219145310|1506^Penicillin^99USL^^^^20130421|CWE

OM1|1|1506^Penicillin^99USL^^^^20130421||N|05D0669071^Century Hospital Clinical Laboratory^99USL^^^^2013||6932-8^Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN||Penicillin MIC|||Y||||||A|||||||||||||||||||||Insufficient specimen, Improper labeling.|Monday through Friday||||||||N|LAB|||||||6932-8^Penicillin [Susceptibility] by Minimum inhibitory concentration (MIC)^LN^1506^Penicillin^99USL|3^&day

OM4|1|||||429951000124103^Bacterial isolate specimen^SCT^^^^20130331||||||Organism must be in pure culture and actively growing. Place into large infectious container and label as "Infectious substance".|||CAMB^Critical ambient temperature^HL70376