

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:

- limited coverage information for the added Lipid Panel
- limited coverage information for the added Measured Low density lipoprotein cholesterol, serum (LDL) test
- limited coverage information for the deactivated Saint Luis Encephalitis IgG Antibody test and the Arbovirus Panel.

Century Hospital's LIS transmits the appropriate eDOS update message to update this information for limited coverage tests in Dr. Radon's EHR.

Comments

Update message to change limited coverage information for orderable tests and panels. This update provides information for the newly added lipid panel, an individual lipid test and deactivates the arbovirus panel.

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
have been completed.

PostCondition

eDOS M08, M10, M04 and M18 data elements are incorporated appropriately into the EHR-S.

TestObjectives

- Demonstrate capability to support a M18 limited coverage update message for an added panel, added individual test and a deactivated test.

Test Case Information

EDOS_2.4_4.1-M18_NG - M18_Update_combo

Test Case ID

EDOS_2.4_4.1-M18_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	M18	IG Fixed Data
MSH.9.3	Message Structure	MFN_M18	IG Fixed Data
MSH.10	Message Control ID	EDOS_2.4_4.1-M18_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	MLCP	IG Fixed Data
MFI.1.2	Text	Medicare Limited Coverage Process	Changeable Data
MFI.1.3	Name of Coding System	HL70175	IG Fixed Data
MFI.1.7	Coding System Version ID	2.8.2	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	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

PM1

Location	Data Element	Data	Categorization
PM1.1	Health Plan ID		
PM1.1.2	Text	Healthplan2	Changeable Data
PM1.2	Insurance Company ID		
PM1.2.1	ID Number	SMCA2	Changeable Data
PM1.2.4	Assigning Authority		
PM1.2.4.1	Namespace ID	NIST EHR	Configurable Data
PM1.2.5	Identifier Type Code	XX	Changeable Data

MCP

Location	Data Element	Data	Categorization
MCP.1	Set ID - MCP	1	IG Fixed Data
MCP.2	Producer's Service/Test/Observation ID		
MCP.2.1	Identifier	1300	Test Case Fixed Data
MCP.2.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data
MCP.2.7	Coding System Version ID	20130421	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	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

PM1

Location	Data Element	Data	Categorization
PM1.1	Health Plan ID		
PM1.1.2	Text	Healthplan2	Changeable Data
PM1.2	Insurance Company ID		
PM1.2.1	ID Number	SMCA2	Changeable Data
PM1.2.4	Assigning Authority		
PM1.2.4.1	Namespace ID	NIST EHR	Configurable Data
PM1.2.5	Identifier Type Code	XX	Changeable Data

MCP

Location	Data Element	Data	Categorization
MCP.1	Set ID - MCP	1	IG Fixed Data
MCP.2	Producer's Service/Test/Observation ID		
MCP.2.1	Identifier	400	Test Case Fixed Data
MCP.2.2	Text	Lipid Panel	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data
MCP.2.7	Coding System Version ID	20130421	Changeable Data
MCP.4	Universal Service Price Range - High Value		

Location	Data Element	Data	Categorization
MCP.4.1	Quantity	39	Changeable Data
MCP.4.2	Denomination	USD	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	410	Changeable Data
MFE.4.2	Text	Low density lipoprotein cholesterol, serum (LDL) - measured	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

PM1

Location	Data Element	Data	Categorization
PM1.1	Health Plan ID		
PM1.1.2	Text	Healthplan2	Changeable Data
PM1.2	Insurance Company ID		
PM1.2.1	ID Number	SMCA2	Changeable Data
PM1.2.4	Assigning Authority		
PM1.2.4.1	Namespace ID	NIST EHR	Configurable Data
PM1.2.5	Identifier Type Code	XX	Changeable Data

MCP

Location	Data Element	Data	Categorization
MCP.1	Set ID - MCP	1	IG Fixed Data
MCP.2	Producer's Service/Test/Observation ID		
MCP.2.1	Identifier	410	Test Case Fixed Data
MCP.2.2	Text	Low density lipoprotein cholesterol, serum (LDL) - measured	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data
MCP.2.7	Coding System Version ID	20130421	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	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
MFE.5	Primary Key Value Type	CWE	IG Fixed Data

PM1

Location	Data Element	Data	Categorization
PM1.1	Health Plan ID		
PM1.1.2	Text	Healthplan2	Changeable Data
PM1.2	Insurance Company ID		
PM1.2.1	ID Number	SMCA2	Changeable Data
PM1.2.4	Assigning Authority		
PM1.2.4.1	Namespace ID	NIST EHR	Configurable Data
PM1.2.5	Identifier Type Code	XX	Changeable Data

MCP

Location	Data Element	Data	Categorization
MCP.1	Set ID - MCP	1	IG Fixed Data
MCP.2	Producer's Service/Test/Observation ID		
MCP.2.1	Identifier	1305	Changeable Data
MCP.2.2	Text	SLE IgG Titer Serum	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data
MCP.2.7	Coding System Version ID	20130421	Changeable Data

Element	Data
Identifier	MLCP
Event code	UPD

Payer Information - Arbovirus IgG and IgM Panel (DNG, WNV) in Serum

Record information

Element	Data
Event code	MDC
Effective date and time	20131219145310
Test/Panel Name	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum
Test/Panel identifier (code system)	1300 (99USL)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Payer Information - Lipid Panel

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Lipid Panel
Test/Panel identifier (code system)	400 (99USL)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Coverage Policy

High price range	USD 39
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Payer Information - Low density lipoprotein cholesterol, serum (LDL) - measured

Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Low density lipoprotein cholesterol, serum (LDL) - measured
Test/Panel identifier (code system)	410 (99USL)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Payer Information - SLE IgG Titer Serum

Record information

Element	Data
Event code	MDC
Effective date and time	20131219145310
Test/Panel Name	SLE IgG Titer Serum

Test/Panel identifier (code system)	1305 (99USL)						
Payer & coverage details							
Payer							
<table border="1"><thead><tr><th>Element</th><th>Data</th></tr></thead><tbody><tr><td>Health Plan</td><td>Healthplan2</td></tr><tr><td>Insurance Company</td><td>SMCA2</td></tr></tbody></table>	Element	Data	Health Plan	Healthplan2	Insurance Company	SMCA2	
Element	Data						
Health Plan	Healthplan2						
Insurance Company	SMCA2						

MSH|^~&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M18^MFN_M18|EDOS_2.4_4.1-M18_
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|MLCP^Medicare Limited Coverage Process^HL70175^^^^2.8.2||UPD|||NE

MFE|MDC||20131219145310|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USL^^^^20130421|CWE

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USL^^^^20130421

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

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|400^Lipid Panel^99USL^^^^20130421||39^USD

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

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421

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

PM1|^Healthplan2|SMCA2^^^NIST EHR^XX

MCP|1|1305^SLE IgG Titer Serum^99USL^^^^20130421