

#### 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:

- Updated approved coverage information for the newly added panels and tests

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

#### Comments

Update message to add approved coverage information for newly added tests and 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\_Aproved  
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  
and  
EDOS\_2.1\_3.1-M04\_Update\_Add  
have been completed.

#### PostCondition

No Post-Condition.

#### TestObjectives

- Demonstrate capability to support a M18 approved coverage update message for an added panel.

## Test Case Information

## EDOS\_2.1\_4.1-M18\_NG - M18\_Update\_add

Test Case ID

EDOS\_2.1\_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_2.1_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	MACP	IG Fixed Data
MFI.1.2	Text	Medicare Approved 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	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	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
Location	Data Element	Data	Categorization
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	1101	Test Case Fixed Data
MCP.2.2	Text	Stool culture	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	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

#### 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	1100	Test Case Fixed Data
MCP.2.2	Text	Stool culture with Susceptibility	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		
MCP.4.1	Quantity	99	Changeable Data
MCP.4.2	Denomination	USD	IG Fixed Data

## MFE

Location	Data Element	Data	Categorization
<b>MFE.1</b>	<b>Record-Level Event Code</b>	MAD	Test Case Fixed Data
<b>MFE.3</b>	<b>Effective Date/Time</b>		
MFE.3.1	Time	20131219145310	System Generated
<b>MFE.4</b>	<b>Primary Key Value - MFE</b>		
MFE.4.1	Identifier	1500	Changeable Data
MFE.4.2	Text	Bacteria susceptibility	Changeable Data
MFE.4.3	Name of Coding System	99USL	Changeable Data
MFE.4.7	Coding System Version ID	20130421	Changeable Data
<b>MFE.5</b>	<b>Primary Key Value Type</b>	CWE	IG Fixed Data

## PM1

Location	Data Element	Data	Categorization
<b>PM1.1</b>	<b>Health Plan ID</b>		
PM1.1.2	Text	Healthplan2	Changeable Data
<b>PM1.2</b>	<b>Insurance Company ID</b>		
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
<b>MCP.1</b>	<b>Set ID - MCP</b>	1	IG Fixed Data
<b>MCP.2</b>	<b>Producer's Service/Test/Observation ID</b>		
MCP.2.1	Identifier	1500	Test Case Fixed Data
MCP.2.2	Text	Bacteria susceptibility	Changeable Data
MCP.2.3	Name of Coding System	99USL	Changeable Data
MCP.2.7	Coding System Version ID	20130421	Changeable Data
<b>MCP.3</b>	<b>Universal Service Price Range - Low Value</b>		
MCP.3.1	Quantity	39	Changeable Data
MCP.3.2	Denomination	USD	IG Fixed Data
<b>MCP.4</b>	<b>Universal Service Price Range - High Value</b>		
MCP.4.1	Quantity	99	Changeable Data
MCP.4.2	Denomination	USD	IG Fixed Data
<b>MCP.5</b>	<b>Reason for Universal Service Cost Range</b>	Depending on number of antibiotica tested	Changeable Data

Element	Data
Identifier	MACP
Event code	UPD

Payer 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)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Payer 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)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Coverage Policy

High price range	USD 99
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Payer Information - Bacteria susceptibility  
Record information

Element	Data
Event code	MAD
Effective date and time	20131219145310
Test/Panel Name	Bacteria susceptibility
Test/Panel identifier (code system)	1500 (99USL)

Payer & coverage details

Payer

Element	Data
Health Plan	Healthplan2
Insurance Company	SMCA2

Coverage Policy

Low price range	USD 39
High price range	USD 99
Reason for universal service cost range	Depending on number of antibiotica tested

MSH|^~\&#|NIST Test Lab APP|NIST Lab Facility||NIST EHR Facility|20130421113601-0700||MFN^M18^MFN\_M18|EDOS\_2.1\_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|MACP^Medicare Approved Coverage Process^HL70175^^^^2.8.2||UPD|||NE

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

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

MCP|1|1101^Stool culture^99USL^^^^20130421

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

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

MCP|1|1100^Stool culture with Susceptibility^99USL^^^^20130421||99^USD

MFE|MAD||20131219145310|1500^Bacteria susceptibility^99USL^^^^20130421|CWE

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

MCP|1|1500^Bacteria susceptibility^99USL^^^^20130421|39^USD|99^USD|Depending on number of antibiotica tested