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 a CPT code for the Lipid Panel
- Added a CPT code for the Measured Low density lipoprotein cholesterol, serum (LDL) test
- Deactivated the CPT codes for the Saint Luis Encephalitis IgG Antibody test and the Arbovirus Panel .
- Revised the CPT code for the Prostate Biopsy
Century Hospital's LIS transmits the appropriate eDOS update messages with these changes to Dr. Radon's EHR.

Comments

Combination of update changes including addition, revision and deactivation of charge codes (CPT codes).

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
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: combination of addition, de-activation and revision

EDOS_2.4_3.1-M04_GU - M04_Update_combo	
Test Case ID	EDOS_2.4_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_2.4_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**	MDC	Test Case Fixed Data

MFE.3 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	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

────────────────── CDM ──────────────────

Location	Data Element	Data	Categorization
CDM.1	**Primary Key Value - CDM**		
CDM.1.1	Identifier	1300	Test Case Fixed Data
CDM.1.2	Text	Arbovirus IgG and IgM Panel (DNG, WNV) in 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	86788	Changeable Data
CDM.7.2	Text	West Nile virus antibody, IgM	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	86789	Changeable Data
CDM.7[2].2	Text	West Nile virus antibody, IgG	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
CDM.7[3]	**Procedure Code**		
CDM.7[3].1	Identifier	86790	Changeable Data
CDM.7[3].2	Text	DengueFever antibody, IgG and IgM	Changeable Data
CDM.7[3].3	Name of Coding System	C4	IG Fixed Data
CDM.7[3].7	Coding System Version ID	19.2	Changeable Data
CDM.7[4]	**Procedure Code**		
CDM.7[4].1	Identifier	86790	Changeable Data
CDM.7[4].2	Text	DengueFever antibody, IgG and IgM	Changeable Data
CDM.7[4].3	Name of Coding System	C4	IG Fixed Data
CDM.7[4].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	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

────────────────── CDM ──────────────────

Location	Data Element	Data	Categorization
CDM.1	**Primary Key Value - CDM**		
CDM.1.1	Identifier	400	Test Case Fixed Data
CDM.1.2	Text	Lipid Panel	Changeable Data
CDM.1.3	Name of Coding System	99USL	Changeable Data

Location	Data Element	Data	Categorization
CDM.3	**Charge Description Short**	N/A	IG Fixed Data
CDM.7	**Procedure Code**		
CDM.7.1	Identifier	80061	Changeable Data
CDM.7.2	Text	Lipid panel This panel must include the following: Cholesterol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglycerides (84478)	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	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

---CDM---

Location	Data Element	Data	Categorization
CDM.1	**Primary Key Value - CDM**		
CDM.1.1	Identifier	410	Test Case Fixed Data
CDM.1.2	Text	Low density lipoprotein cholesterol, serum (LDL) - measured	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	87721	Changeable Data
CDM.7.2	Text	lipoprotein, direct measurement; low density cholesterol (ldl 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**	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	600	Changeable Data
MFE.4.2	Text	Prostate Biopsy Pathology Report	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	600	Test Case Fixed Data
CDM.1.2	Text	Prostate Biopsy Pathology Report	Changeable Data
CDM.1.3	Name of Coding System	99USL	Changeable Data

Location	Data Element	Data	Categorization
CDM.3	Charge Description Short	N/A	IG Fixed Data
CDM.7	Procedure Code		
CDM.7.1	Identifier	G0416	Changeable Data
CDM.7.2	Text	Surgical pathology, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens	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	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

──────CDM──────

Location	Data Element	Data	Categorization
CDM.1	Primary Key Value - CDM		
CDM.1.1	Identifier	1305	Changeable Data
CDM.1.2	Text	SLE IgG Titer 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	86653	Changeable Data
CDM.7.2	Text	St. Louis encephalitis antibody, IgG and IgM	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 - 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)

Charge details

Element	Data
Primary key value	Arbovirus IgG and IgM Panel (DNG, WNV) in Serum
Primary key value (code & code system)	1300 (99USL)
Charge description	N/A
Procedure code	West Nile virus antibody, IgM
Procedure code(code & code system)	86788 (C4)
Procedure code	West Nile virus antibody, IgG
Procedure code(code & code system)	86789 (C4)
Procedure code	DengueFever antibody, IgG and IgM
Procedure code(code & code system)	86790 (C4)
Procedure code	DengueFever antibody, IgG and IgM
Procedure code(code & code system)	86790 (C4)

Charge 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)

Charge details

Element	Data
Primary key value	Lipid Panel
Primary key value (code & code system)	400 (99USL)
Charge description	N/A
Procedure code	Lipid panel This panel must include the following: Cholesterol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglycerides (84478)
Procedure code(code & code system)	80061 (C4)

Charge 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)

Charge details

Element	Data
Primary key value	Low density lipoprotein cholesterol, serum (LDL) - measured

Primary key value (code & code system)	410 (99USL)
Charge description	N/A
Procedure code	lipoprotein, direct measurement; low density cholesterol (ldl cholesterol)
Procedure code(code & code system)	87721 (C4)

Charge Information - Prostate Biopsy Pathology Report

Record information

Element	Data
Event code	MUP
Effective date and time	20131219145310
Test/Panel Name	Prostate Biopsy Pathology Report
Test/Panel identifier (code system)	600 (99USL)

Charge details

Element	Data
Primary key value	Prostate Biopsy Pathology Report
Primary key value (code & code system)	600 (99USL)
Charge description	N/A
Procedure code	Surgical pathology, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens
Procedure code(code & code system)	G0416 (C4)

Charge 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)

Charge details

Element	Data
Primary key value	SLE IgG Titer Serum
Primary key value (code & code system)	1305 (99USL)
Charge description	N/A
Procedure code	St. Louis encephalitis antibody, IgG and IgM
Procedure code(code & code system)	86653 (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_2.4_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^I
SO

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

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

CDM|1300^Arbovirus IgG and IgM Panel (DNG, WNV) in Serum^99USL^^^^20130421||N/A||||86788^West Nile virus antibody, IgM^C4^^^^19.2~86789^West Nile virus antibody, IgG^C4^^^^19.2~86790^DengueFever antibody, IgG and IgM^C4^^^^19.2~86790^DengueFever antibody, IgG and IgM^C4^^^^19.2

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

CDM|400^Lipid Panel^99USL^^^^20130421||N/A||||80061^Lipid panel This panel must include the following: Cholesterol, serum, total (82465) Lipoprotein, direct measurement, high density cholesterol (HDL cholesterol) (83718) Triglycerides (84478)^C4^^^^19.2

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

CDM|410^Low density lipoprotein cholesterol, serum (LDL) - measured^99USL^^^^20130421||N/A||||87721^lipoprotein, direct measurement; low density cholesterol (ldl cholesterol)^C4^^^^19.2

MFE|MUP||20131219145310|600^Prostate Biopsy Pathology Report^99USL^^^^20130421|CWE

CDM|600^Prostate Biopsy Pathology Report^99USL^^^^20130421||N/A||||G0416^Surgical pathology, gross and micro exam for prostate needle saturation biopsy sampling 1-20 specimens^C4^^^^19.2

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

CDM|1305^SLE IgG Titer Serum^99USL^^^^20130421||N/A||||86653^St. Louis encephalitis antibody, IgG and IgM^C4^^^^19.2