Description

Mrs. Delores Lopez is a 30 year old hispanic female who presents to the Women's Clinic And Family Counseling Center for a routine gynecological examination. A pap smear sample is collected after confirming with Ms Lopez that her last menstrual period was two weeks ago. A pap smear is ordered from Century Hospital's clinical lab through the Clinic's EHR and the specimen is sent to the lab for testing.

PreCondition

No Pre Condition

PostCondition

No Post Condition

TestObjectives

- Demonstrate capability to support Ask at Order Entry (AOE) questions.

NIST-LOI_6.0_1.1-GU - Pap_Smear	
Test Case ID	LOI_6.0_1.1-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 EHR	Configurable Data
MSH.3.2	Universal ID	2.16.840.1.113883.3.72.5.22	Configurable Data
MSH.3.3	Universal ID Type	ISO	IG Fixed Data
MSH.4	**Sending Facility**		
MSH.4.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.4.2	Universal ID	2.16.840.1.113883.3.72.5.23	Configurable Data
MSH.4.3	Universal ID Type	ISO	IG Fixed Data
MSH.5	**Receiving Application**		
MSH.5.1	Namespace ID	NIST Test Lab APP	Configurable Data
MSH.5.2	Universal ID	2.16.840.1.113883.3.72.5.20	Configurable Data
MSH.5.3	Universal ID Type	ISO	IG Fixed Data
MSH.6	**Receiving Facility**		
MSH.6.1	Namespace ID	NIST Lab Facility	Configurable Data
MSH.6.2	Universal ID	2.16.840.1.113883.3.72.5.21	Configurable Data
MSH.6.3	Universal ID Type	ISO	IG Fixed Data
MSH.7	**Date/Time Of Message**		
MSH.7.1	Time	20130211184101-0500	System Generated
MSH.9	**Message Type**		
MSH.9.1	Message Code	OML	IG Fixed Data
MSH.9.2	Trigger Event	O21	IG Fixed Data
MSH.9.3	Message Structure	OML_O21	IG Fixed Data
MSH.10	**Message Control ID**	NIST-LOI_6.0_1.1-GU	System Generated
MSH.11	**Processing ID**		
MSH.11.1	Processing ID	T	Changeable Data
MSH.12	**Version ID**		
MSH.12.1	Version ID	2.5.1	IG Fixed Data
MSH.15	**Accept Acknowledgment Type**	AL	IG Fixed Data
MSH.16	**Application Acknowledgment Type**	AL	Changeable Data
MSH.21	**Message Profile Identifier**		
MSH.21.1	Entity Identifier	LOI_Common_Component	Test Case Fixed Data
MSH.21.2	Namespace ID	LOI Base Profile	Changeable Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.66	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	LOI_GU_Component	Test Case Fixed Data
MSH.21[2].2	Namespace ID	LOI GU Profile	Changeable Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.78	Test Case Fixed Data
MSH.21[2].4	Universal ID Type	ISO	IG Fixed Data
MSH.21[3]	**Message Profile Identifier**		
MSH.21[3].1	Entity Identifier	LAB_PRU_Component	Test Case Fixed Data
MSH.21[3].2	Namespace ID	LOI PRU Profile	Changeable Data
MSH.21[3].3	Universal ID	2.16.840.1.113883.9.82	Test Case Fixed Data
MSH.21[3].4	Universal ID Type	ISO	IG Fixed Data

PID

Location	Data Element	Data	Categorization

Location	Data Element	Data	Categorization
PID.3	**Patient Identifier List**		
PID.3.1	ID Number	PATID40	Configurable Data
PID.3.4	Assigning Authority		
PID.3.4.1	Namespace ID	NIST MPI	Configurable Data
PID.3.4.2	Universal ID	2.16.840.1.113883.3.72.5.30.2	Configurable Data
PID.3.4.3	Universal ID Type	ISO	IG Fixed Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.5	**Patient Name**		
PID.5.1	Family Name		
PID.5.1.1	Surname	Lopez	Changeable Data
PID.5.2	Given Name	Delores	Changeable Data
PID.5.7	Name Type Code	L	Changeable Data
PID.7	**Date/Time of Birth**		
PID.7.1	Date/Time	19820306	Changeable Data
PID.8	**Administrative Sex**	F	Changeable Data
PID.10	**Race**		
PID.10.1	Identifier	2106-3	Changeable Data
PID.10.2	Text	White	Changeable Data
PID.10.3	Name of Coding System	HL70005	IG Fixed Data
PID.11	**Patient Address**		
PID.11.1	Street Address		
PID.11.1.1	Street or Mailing Address	221 N. Figueroa Street	Changeable Data
PID.11.3	City	Los Angeles	Changeable Data
PID.11.4	State or Province	CA	Changeable Data
PID.11.5	Zip or Postal Code	90012	Changeable Data
PID.11.7	Address Type	H	Test Case Fixed Data
PID.22	**Ethnic Group**		
PID.22.1	Identifier	H	Changeable Data
PID.22.2	Text	Hispanic	Changeable Data
PID.22.3	Name of Coding System	HL70189	IG Fixed Data

ORC

Location	Data Element	Data	Categorization
ORC.1	**Order Control**	NW	Test Case Fixed Data
ORC.2	**Placer Order Number**		
ORC.2.1	Entity Identifier	ORD40	Changeable Data
ORC.2.2	Namespace ID	NIST EHR	Configurable Data
ORC.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Configurable Data
ORC.2.4	Universal ID Type	ISO	IG Fixed Data
ORC.9	**Date/Time of Transaction**		
ORC.9.1	Time	20130211184101	System Generated
ORC.12	**Ordering Provider**		
ORC.12.1	ID Number	2345654323	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Matalon	Changeable Data
ORC.12.3	Given Name	Mary	Changeable Data
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID	NPI	Configurable Data
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Configurable Data
ORC.12.9.3	Universal ID Type	ISO	IG Fixed Data
ORC.12.10	Name Type Code	L	Changeable Data
ORC.12.13	Identifier Type Code	NPI	Changeable Data
ORC.14	**Call Back Phone Number**		
ORC.14.3	Telecommunication Equipment Type	PH	Test Case Fixed Data
ORC.14.6	Area/City Code	310	Changeable Data
ORC.14.7	Local Number	2038899	Changeable Data

ORC.20 Location	Advanced Beneficiary Notice Code Data Element	Data	Categorization
ORC.20.1	Identifier	2	Test Case Fixed Data
ORC.20.2	Text	Patient has been informed of responsibility, and agrees to pay for service	Changeable Data
ORC.20.3	Name of Coding System	HL70339	IG Fixed Data

———OBR———

Location	Data Element	Data	Categorization
OBR.1	**Set ID - OBR**	1	IG Fixed Data
OBR.2	**Placer Order Number**		
OBR.2.1	Entity Identifier	ORD40	Changeable Data
OBR.2.2	Namespace ID	NIST EHR	Configurable Data
OBR.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Configurable Data
OBR.2.4	Universal ID Type	ISO	IG Fixed Data
OBR.4	**Universal Service Identifier**		
OBR.4.1	Identifier	610	Test Case Fixed Data
OBR.4.2	Text	Pap Test	Changeable Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.4	Alternate Identifier	47527-7	Test Case Fixed Data
OBR.4.5	Alternate Text	Cytology report of Cervical or vaginal smear or scraping Cyto stain.thin prep	Changeable Data
OBR.4.6	Name of Alternate Coding System	LN	Changeable Data
OBR.7	**Observation Date/Time**		
OBR.7.1	Date/Time	20130211180000	Changeable Data
OBR.16	**Ordering Provider**		
OBR.16.1	ID Number	2345654323	Changeable Data
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Matalon	Changeable Data
OBR.16.3	Given Name	Mary	Changeable Data
OBR.16.9	Assigning Authority		
OBR.16.9.1	Namespace ID	NPI	Configurable Data
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	Configurable Data
OBR.16.9.3	Universal ID Type	ISO	IG Fixed Data
OBR.16.10	Name Type Code	L	Changeable Data
OBR.16.13	Identifier Type Code	NPI	Changeable Data
OBR.17	**Order Call-back Phone Number**		
OBR.17.3	Telecommunication Equipment Type	PH	Test Case Fixed Data
OBR.17.6	Area/City Code	310	Changeable Data
OBR.17.7	Local Number	2038899	Changeable Data

———DG1———

Location	Data Element	Data	Categorization
DG1.1	**Set ID - DG1**	1	IG Fixed Data
DG1.3	**Diagnosis Code - DG1**		
DG1.3.1	Identifier	Z12.72	Test Case Fixed Data
DG1.3.2	Text	Encounter for screening for malignant neoplasm of vagina	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.3.9	Original Text	Routine vaginal Pap test	Changeable Data
DG1.6	**Diagnosis Type**	F	Changeable Data
DG1.15	**Diagnosis Priority**	1	Changeable Data

———OBX———

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	1	IG Fixed Data
OBX.2	**Value Type**	DT	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	8665-2	Test Case Fixed Data

Location	Data Element	Data	Categorization
OBX.3.2	Text	Date last menstrual period	Changeable Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.4	**Observation Sub-ID**		
OBX.4.2	Group	1	Changeable Data
OBX.4.3	Sequence	1	Changeable Data
OBX.5	**Observation Value_Date**	20130128	Changeable Data
OBX.11	**Observation Result Status**	O	Test Case Oixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Date/Time	20130211	Changeable Data
OBX.29	**Observation Type**	SCI	Test Case Fixed Data

—OBX—

Location	Data Element	Data	Categorization
OBX.1	**Set ID - OBX**	2	IG Fixed Data
OBX.2	**Value Type**	CWE	Test Case Fixed Data
OBX.3	**Observation Identifier**		
OBX.3.1	Identifier	PLT458	Test Case Fixed Data
OBX.3.2	Text	Did the patient have a previous abnormal Pap report, treatment, or biopsy?	Changeable Data
OBX.3.3	Name of Coding System	99LAB	Test Case Fixed Data
OBX.4	**Observation Sub-ID**		
OBX.4.2	Group	1	Changeable Data
OBX.4.3	Sequence	1	Changeable Data
OBX.5	**Observation Value_Numeric**		
OBX.5.1	Identifier	UNK	Test Case Fixed Data
OBX.5.2	Text	Unknown	Changeable Data
OBX.5.3	Name of Coding System	HL70353	Test Case Fixed Data
OBX.11	**Observation Result Status**	O	Test Case Oixed Data
OBX.14	**Date/Time of the Observation**		
OBX.14.1	Date/Time	20130211	Changeable Data
OBX.29	**Observation Type**	SCI	Test Case Fixed Data

—SPM—

Location	Data Element	Data	Categorization
SPM.1	**Set ID - SPM**	1	IG Fixed Data
SPM.2	**Specimen ID**		
SPM.2.1	Placer Assigned Identifier		
SPM.2.1.1	Entity Identifier	SID40	Changeable Data
SPM.2.1.2	Namespace ID	NIST EHR	Configurable Data
SPM.2.1.3	Universal ID	2.16.840.1.113883.3.72.5.24	Configurable Data
SPM.2.1.4	Universal ID Type	ISO	IG Fixed Data
SPM.2.2	Filler Assigned Identifier		
SPM.2.2.1	Entity Identifier	GHSID40	Changeable Data
SPM.2.2.2	Namespace ID	NIST Test Lab APP	Configurable Data
SPM.2.2.3	Universal ID	2.16.840.1.113883.3.72.5.20	Configurable Data
SPM.2.2.4	Universal ID Type	ISO	IG Fixed Data
SPM.4	**Specimen Type**		
SPM.4.1	Identifier	110951002	Test Case Fixed Data
SPM.4.2	Text	Endocervical cytologic material	Changeable Data
SPM.4.3	Name of Coding System	SCT	IG Fixed Data
SPM.4.4	Alternate Identifier	2134	Changeable Data
SPM.4.5	Alternate Text	Cervical Cytology (ThinPrep)	Changeable Data
SPM.4.6	Name of Alternate Coding System	99USL	Changeable Data
SPM.4.9	Original Text	Cervical Cytology (ThinPrep)	Changeable Data
SPM.17	**Specimen Collection Date/Time**		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	20130211180000	Changeable Data

Patient Information

Element	Data
Patient Name	Delores Lopez
Administrative Sex	Female
Date/Time of Birth	03/06/1982
Patient Address	221 N. Figueroa Street Los Angeles CA 90012
Race	White
Ethnic group	Hispanic

Order

Ordering Provider

Element	Data
Provider Name	Mary Matalon
Provider NPI identifier	2345654323
Call Back Phone number	(310)203 - 8899

General order information

Element	Data
Placer Order Number	ORD40
Order Control	NW
Advanced Beneficiary Notice Code	Patient has been informed of responsibility, and agrees to pay for service
Date/Time of Transaction	02/11/2013 06:41:01 PM

Order details

Element	Data
Universal Service Identifier	Pap Test
Observation Date/Time	02/11/2013 06:00:00 PM

Diagnosis information

Element	Data
Priority	1
Diagnosis ICD-10CM Code	Z12.72
Diagnosis type	F

Observation Result - 1

Element	Data
Observation Identifier (LOINC code)	8665-2
Observation Value	01/28/2013
Observation Result status	O
Date/Time of the Observation	02/11/2013
Observation Type	SCI

Observation Result - 2

Element	Data
Observation Identifier (local code)	PLT458
Observation Value	Unknown
Observation Result status	O

Date/Time of the Observation	02/11/2013
Observation Type	SCI

Specimen Details

Element	Data
Type	Cervical Cytology (ThinPrep)
Collection Start Date/Time	02/11/2013 06:00:00 PM

MSH|^~\&#|NIST EHR^2.16.840.1.113883.3.72.5.22^ISO|NIST EHR Facility^2.16.840.1.113883.3.72.5.23^ISO|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|20130211184101-
0500||OML^O21^OML_O21|N
IST-LOI_6.0_1.1-GU|T|2.5.1|||AL|AL|||||LOI_Common_Component^LOI Base Profile^2.16.840.1.113883.9.66^ISO~LOI_GU_Component
^LOI GU Profile^2.16.840.1.113883.9.78^ISO~LAB_PRU_Component^LOI PRU Profile^2.16.840.1.113883.9.82^ISO

PID|1||PATID40^^^NIST MPI&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Lopez^Delores^^^^^L||19820306|F||2106-3^White^HL70005|2
21 N. Figueroa Street^^Los Angeles^CA^90012^^H|||||||||||H^Hispanic^HL70189

ORC|NW|ORD40^NIST
EHR^2.16.840.1.113883.3.72.5.24^ISO|||||||20130211184101|||2345654323^Matalon^Mary^^^^^^NPI&2.16.840.
1.113883.4.6&ISO^L^^^NPI||^^PH^^^310^2038899||||||2^Patient has been informed of responsibility, and agrees to pay for s
ervice^HL70339

OBR|1|ORD40^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||610^Pap Test^99USL^47527-7^Cytology report of Cervical or vaginal
smear or scraping Cyto stain.thin prep^LN|||20130211180000|||||||||2345654323^Matalon^Mary^^^^^^NPI&2.16.840.1.113883.4
.6&ISO^L^^^NPI||^^PH^^^310^2038899

DG1|1||Z12.72^Encounter for screening for malignant neoplasm of vagina^I10C^^^^^^Routine vaginal Pap test|||F|||||||||1

OBX|1|DT|8665-2^Date last menstrual period^LN|^1^1|20130128||||||O|||20130211|||||||||||||||SCI

OBX|2|CWE|PLT458^Did the patient have a previous abnormal Pap report, treatment, or biopsy?^99LAB|^1^1|UNK^Unknown^HL70
353||||||O|||20130211|||||||||||||||SCI

SPM|1|SID40&NIST EHR&2.16.840.1.113883.3.72.5.24&ISO^GHSID40&NIST Test Lab
APP&2.16.840.1.113883.3.72.5.20&ISO||1109510
02^Endocervical cytologic material^SCT^2134^Cervical Cytology (ThinPrep)^99USL^^^Cervical Cytology (ThinPrep)|||||||||||
||20130211180000