

Description

A female prisoner from the local correctional facility is seen at the Good Health Clinic By Dr Radon. She has a history of substance abuse is tested for Hepatitis A, B and C. Dr Radon orders a hepatitis panel from Century Hospital Clinical Laboratory. The order is transmitted electronically through the clinic's EHR system using the LOI message. The serum specimen is collected by the Good Health Clinic Staff and sent to the hospital lab for testing.

PreCondition

No Pre Condition.

PostCondition

No Post Condition.

TestObjectives

- Demonstrate the capability to support an organization as Guardian/Associated Party in the Next Of Kin Segment (NK1).
- Demonstrate capability to support Ask at Order Entry (AOE) questions.

Test Case Information

NIST-LOI_5.0_1.1-GU - Reflex_Hepatitis

Test Case ID

LOI_5.0_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_5.0_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
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PID.1 Location	Set ID - PID Data Element	1 Data	IG Fixed Data Categorization
PID.3	Patient Identifier List		
PID.3.1	ID Number	PATID1239	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	Smirnoff	Changeable Data
PID.5.2	Given Name	Peggy	Changeable Data
PID.5.7	Name Type Code	M	Changeable Data
PID.7	Date/Time of Birth		
PID.7.1	Date/Time	19750401	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	450 Bauchet 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	N	Changeable Data
PID.22.2	Text	Not Hispanic or Latino	Changeable Data
PID.22.3	Name of Coding System	HL70189	IG Fixed Data

NK1

Location	Data Element	Data	Categorization
NK1.1	Set ID - NK1	1	IG Fixed Data
NK1.3	Relationship		
NK1.3.1	Identifier	OTH	Changeable Data
NK1.3.2	Text	Other	Changeable Data
NK1.3.3	Name of Coding System	HL70063	IG Fixed Data
NK1.13	Organization Name - NK1		
NK1.13.1	Organization Name	County Women's Correctional Facility	Changeable Data
NK1.13.6	Assigning Authority		
NK1.13.6.1	Namespace ID	CWCF	Changeable Data
NK1.13.6.2	Universal ID	2.16.840.1.114222.4.50.12.4	Changeable Data
NK1.13.6.3	Universal ID Type	ISO	IG Fixed Data
NK1.13.7	Identifier Type Code	XX	Changeable Data
NK1.13.10	Organization Identifier	OID724	Changeable 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	ORD448811	Changeable 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	20120628070100	System Generated

Location	Data Element	Data	Categorization
ORC.12.1	ID Number	5742200012	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Radon	Changeable Data
ORC.12.3	Given Name	Nicholas	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

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	ORD448811	Changeable 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	1000	Test Case Fixed Data
OBR.4.2	Text	Hepatitis A B C Panel_WithReflex	Changeable Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.7	Observation Date/Time		
OBR.7.1	Date/Time	20120628070100	Changeable Data
OBR.16	Ordering Provider		
OBR.16.1	ID Number	5742200012	Changeable Data
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Radon	Changeable Data
OBR.16.3	Given Name	Nicholas	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

DG1

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	1	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	F11.129	Test Case Fixed Data
DG1.3.2	Text	Opioid abuse with intoxication, unspecified	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.6	Diagnosis Type	W	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	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	67471-3	Test Case Fixed Data
OBX.3.2	Text	Pregnancy	Changeable Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.5	Observation Value_Numeric		
OBX.5.1	Identifier	UNK	Test Case Fixed Data

OBX.5.2	Text	Unknown	Changeable Data
Location	Data Element	Data	Categorization
OBX.5.3	Name of Coding System	HL70353	Test Case Fixed Data
OBX.5.4	Alternate Identifier	3118003	Changeable Data
OBX.5.5	Alternate Text	Possible, unconfirmed	Changeable Data
OBX.5.6	Name of Alternate Coding System	99USL	Changeable Data
OBX.5.9	Original Text	suspected, but unconfirmed - no test to date	Changeable Data
OBX.11	Observation Result Status	O	Test Case Oixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Date/Time	20120628	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	S-2012_448811	Changeable 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.4	Specimen Type		
SPM.4.1	Identifier	119364003	Test Case Fixed Data
SPM.4.2	Text	Serum specimen (specimen)	Changeable Data
SPM.4.3	Name of Coding System	SCT	IG Fixed Data
SPM.4.4	Alternate Identifier	SER	Changeable Data
SPM.4.5	Alternate Text	Serum	Changeable Data
SPM.4.6	Name of Alternate Coding System	L	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	20120628070100	Changeable Data

Patient Information

Element	Data
Patient Name	Peggy Smirnoff
Administrative Sex	Female
Date/Time of Birth	04/01/1975
Patient Address	450 Bauchet Street Los Angeles CA 90012
Race	White
Ethnic group	Not Hispanic or Latino

Next of kin information

Element	Data
Relationship	Other
Organization name	County Women's Correctional Facility
Organization identifier	OID724

Order**Ordering Provider**

Element	Data
Provider Name	Nicholas Radon
Provider NPI identifier	5742200012

General order information

Element	Data
Placer Order Number	ORD448811
Order Control	NW
Date/Time of Transaction	06/28/2012 07:01:00 AM

Order details

Element	Data
Universal Service Identifier	Hepatitis A B C Panel_ WithReflex
Observation Date/Time	06/28/2012 07:01:00 AM

Diagnosis information

Element	Data
Priority	1
Diagnosis ICD-10CM Code	F11.129
Diagnosis type	W

Observation Result - 1

Element	Data
Observation Identifier (LOINC code)	67471-3
Observation Value	suspected, but unconfirmed - no test to date
Observation Result status	O
Date/Time of the Observation	06/28/2012
Observation Type	SCI

Specimen Details

Element	Data
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Type	Serum specimen (specimen)
Collection Start Date/Time	06/28/2012 07:01:00 AM

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|NIST-LOI_5.0_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||PATID1239^^^NIST MPI&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Smirnoff^Peggy^^^^^M||19750401|F||2106-3^White^HL7000

5|450 Bauchet Street^^Los Angeles^CA^90012^^H||||||||N^Not Hispanic or Latino^HL70189

NK1|1||OTH^Other^HL70063||||||||County Women's Correctional Facility^^^^^CWCF&2.16.840.1.114222.4.50.12.4&ISO^XX^^^OID724

ORC|NW|ORD448811^^2.16.840.1.113883.3.72.5.24^ISO||||||20120628070100||5742200012^Radon^Nicholas^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI

OBR|1|ORD448811^^2.16.840.1.113883.3.72.5.24^ISO||1000^Hepatitis A B C Panel_WithReflex^99USL||20120628070100||||||5742200012^Radon^Nicholas^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI

DG1|1||F11.129^Opioid abuse with intoxication, unspecified^I10C||W||||||1

OBX|1|CWE|67471-3^Pregnancy^LN||UNK^Unknown^HL70353^3118003^Possible, unconfirmed^99USL^^^suspected, but unconfirmed - no test to date||||O||20120628||||||||SCI

SPM|1|S-2012_448811&&2.16.840.1.113883.3.72.5.24&ISO||119364003^Serum specimen (specimen)^SCT^SER^Serum^L||||||||20120628070100