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.
- Demonstrate the capability to support all the required additional constraints (including repeats) for the optional public health profile.

NIST-LOI_5.1_1.1-GU_PH - Reflex_Hepatitis	
Test Case ID	LOI_5.1_1.1-GU_PH

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_5.1_1.1-GU_PH	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
MSH.21[4]	**Message Profile Identifier**		
MSH.21[4].1	Entity Identifier	LOI_PH_Component	Test Case Fixed Data
MSH.21[4].2	Namespace ID	LOI Public Health Profile	Changeable Data

Location	Data Element	Data	Categorization
MSH.21[4].3	Universal ID	2.16.840.1.113883.9.24	Test Case Fixed Data
MSH.21[4].4	Universal ID Type	ISO	IG Fixed Data

——PID——

Location	Data Element	Data	Categorization
PID.1	**Set ID - PID**	1	IG Fixed Data
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	L	Changeable Data
PID.6	**Mother's Maiden Name**		
PID.6.1	Family Name		
PID.6.1.1	Surname	Georges	Changeable Data
PID.6.2	Given Name	Peggy	Changeable Data
PID.6.7	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.13	**Phone Number - Home**		
PID.13.3	Telecommunication Equipment Type	PH	Changeable Data
PID.13.6	Area/City Code	213	Changeable Data
PID.13.7	Local Number	7683341	Changeable Data
PID.14	**Phone Number - Business**		
PID.14.3	Telecommunication Equipment Type	Internet	Changeable Data
PID.14.4	Email Address	psmir@bogus.bogus	Changeable 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**		

Location	Data Element	Data	Categorization
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
NK1.30	**Contact Person's Name**		
NK1.30.1	Family Name		
NK1.30.1.1	Surname	Miller	Changeable Data
NK1.30.2	Given Name	J	Changeable Data
NK1.30.3	Second and Further Given Names or Initials Thereof	R	Changeable Data
NK1.30.4	Suffix (e.g., JR or III)	III	Changeable Data
NK1.30.7	Name Type Code	L	Changeable Data
NK1.32	**Contact Person's Address**		
NK1.32.1	Street Address		
NK1.32.1.1	Street or Mailing Address	450 Bauchet Street	Changeable Data
NK1.32.3	City	Los Angeles	Changeable Data
NK1.32.4	State or Province	CA	Changeable Data
NK1.32.5	Zip or Postal Code	90012	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
ORC.12	**Ordering Provider**		
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
ORC.20	**Advanced Beneficiary Notice Code**		
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
ORC.20.7	Coding System Version ID	2.7.1	Changeable Data
ORC.21	**Ordering Facility Name**		
ORC.21.1	Organization Name	GoodHealth Clinic	Changeable Data
ORC.21.6	Assigning Authority		
ORC.21.6.1	Namespace ID	NPI	Configurable Data
ORC.21.6.2	Universal ID	2.16.840.1.113883.4.6	Configurable Data
ORC.21.6.3	Universal ID Type	ISO	IG Fixed Data
ORC.21.7	Identifier Type Code	NPI	Changeable Data
ORC.21.10	Organization Identifier	1184695389	Changeable Data
ORC.22	**Ordering Facility Address**		

Location	Data Element	Data	Categorization
ORC.22.1.1	Street or Mailing Address	520 East Temple Street	Changeable Data
ORC.22.3	City	Los Angeles	Changeable Data
ORC.22.4	State or Province	CA	Changeable Data
ORC.22.5	Zip or Postal Code	90012	Changeable Data
ORC.22.6	Country Code	USA	Changeable Data
ORC.22.7	Address Type	B	Changeable Data
ORC.23	**Ordering Facility Phone Number**		
ORC.23.3	Telecommunication Equipment Type	PH	Changeable Data
ORC.23.6	Area/City Code	213	Changeable Data
ORC.23.7	Local Number	4736950	Changeable Data
ORC.23.8	Extension	321	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**		

Location	Identifier	Data Element	UNK	Data	Test Case Fixed Data	Categorization

Location	Data Element	Data	Categorization
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.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.4.9	Original Text	Serum	Changeable Data
SPM.5	**Specimen Type Modifier**		
SPM.5.1	Identifier	73775008	Changeable Data
SPM.5.2	Text	Morning (qualifier value)	Changeable Data
SPM.5.3	Name of Coding System	SCT	Changeable Data
SPM.5.7	Coding System Version ID	20130731	Changeable Data
SPM.5.9	Original Text	morning collection	Changeable Data
SPM.6	**Specimen Additives**		
SPM.6.1	Identifier	NONE	Changeable Data
SPM.6.2	Text	none	Changeable Data
SPM.6.3	Name of Coding System	HL70371	Changeable Data
SPM.6.7	Coding System Version ID	2.5.1	Changeable Data
SPM.6.9	Original Text	No Additive	Changeable Data
SPM.7	**Specimen Collection Method**		
SPM.7.1	Identifier	VENIP	Changeable Data
SPM.7.2	Text	Venipuncture	Changeable Data
SPM.7.3	Name of Coding System	HL70488	Changeable Data
SPM.7.7	Coding System Version ID	2.5.1	Changeable Data
SPM.7.9	Original Text	butterfly phlebotomy	Changeable Data
SPM.8	**Specimen Source Site**		
SPM.8.1	Identifier	63013001	Changeable Data
SPM.8.2	Text	Structure of median antebrachial vein (body structure)	Changeable Data
SPM.8.3	Name of Coding System	SCT	Changeable Data
SPM.8.4	Alternate Identifier	MACV	Changeable Data
SPM.8.5	Alternate Text	median antibrachial vein	Changeable Data
SPM.8.6	Name of Alternate Coding System	L	Changeable Data
SPM.8.7	Coding System Version ID	20130731	Changeable Data
SPM.8.9	Original Text	left median antibrachial vein	Changeable Data
SPM.9	**Specimen Source Site Modifier**		

Location	Data Element	Data	Categorization
SPM.9.1 Identifier	7771000	Changeable Data	
SPM.9.2	Text	left (qualifier value)	Changeable Data
SPM.9.3	Name of Coding System	SCT	Changeable Data
SPM.9.7	Coding System Version ID	20130731	Changeable Data
SPM.9.9	Original Text	left median antibrachial vein	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
Mother's Maiden Name	Peggy Georges
Administrative Sex	Female
Date/Time of Birth	04/01/1975
Patient Address	450 Bauchet Street Los Angeles CA 90012
Home phone number	(213)768 - 3341
Business email address	psmir@bogus.bogus
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
Contact person's name	J R Miller III
Contact person's address	450 Bauchet Street Los Angeles CA 90012

Order

Ordering Provider

Element	Data
Provider Name	Nicholas Radon
Provider NPI identifier	5742200012
Ordering Facility Name	GoodHealth Clinic
Ordering Facility Address	520 East Temple Street Los Angeles CA 90012 USA
Ordering Facility Phone number	(213)473 - 6950 ext 321

General order information

Element	Data
Placer Order Number	ORD448811
Order Control	NW
Advanced Beneficiary Notice Code	Patient has been informed of responsibility, and agrees to pay for service
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

Element	Data
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
Type	Serum
Type Modifier	morning collection
Additives	No Additive
Collection Method	butterfly phlebotomy
Source site	left median antibrachial vein
Source site modifier	left median antibrachial vein
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|N
IST-LOI_5.1_1.1-GU_PH|T|2.5.1|||AL|AL|||||LOI_Common_Component^LOI Base
Profile^2.16.840.1.113883.9.66^ISO~LOI_GU_Compon
ent^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~LOI_PH_Compon
ent^LOI Public Health Profile^2.16.840.1.113883.9.94^ISO

PID|1||PATID1239^^^NIST MPI&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Smirnoff^Peggy^^^^^L|Georges^Peggy^^^^^M|19750401|F||
2106-3^White^HL70005|450 Bauchet Street^^Los Angeles^CA^90012^^H||^^PH^^^213^7683341|^^Internet^psmir@bogus.bogus|||||||
|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^^^OI
D724|||||||||||||||||Miller^J^R^III^^^L||450 Bauchet Street^^Los Angeles^CA^90012

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|||||||2^Patient has been informed of responsibility, and agrees to pay for service^HL70339^^^^2.
7.1|GoodHealth Clinic^^^^^NPI&2.16.840.1.113883.4.6&ISO^NPI^^^1184695389|520 East Temple Street^^Los Angeles^CA^90012^US
A^B|^^PH^^^213^4736950^321

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^^^Serum|73775
008^Morning (qualifier value)^SCT^^^^20130731^^morning collection|NONE^none^HL70371^^^^2.5.1^^No Additive|VENIP^Venipunc
ture^HL70488^^^^2.5.1^^butterfly phlebotomy|63013001^Structure of median antebrachial vein (body structure)^SCT^MACV^med
ian antibrachial vein^L^20130731^^left median antibrachial vein|7771000^left (qualifier value)^SCT^^^^20130731^^left med
ian antibrachial vein|||||||20120628070100