

Description

Mr. William A. Jones is a 51 year old white male who presented for a cardiology exam. Dr. Nicholas Radon ordered a lipid panel test to be performed to check for hyperlipidemia. A blood specimen for the lipid panel test was collected from the patient by Dr Radon's nurse and the order submitted electronically using the LOI message to the clinical lab at Century Hospital for processing. As part of the order submission, an ask-at-order-entry (AOE) question regarding the fasting status of the patient was answered "Yes" since Mr Jones had indeed fasted prior to the exam as previously instructed. Additionally, the order includes a request to send a copy of the test results to Dr. Pafford M. Hamlin, Sr.

PreCondition

No Pre Condition.

PostCondition

No Post Condition.

TestObjectives

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

Test Case Information

NIST-LOI_3.0_1.1-NG - Lipid_Panel

Test Case ID

LOI_3.0_1.1-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.3.2	Universal ID	372520	Configurable Data
MSH.3.3	Universal ID Type	L	Configurable Data
MSH.4	Sending Facility		
MSH.4.2	Universal ID	372521	Configurable Data
MSH.4.3	Universal ID Type	L	Configurable Data
MSH.5	Receiving Application		
MSH.5.2	Universal ID	372522	Configurable Data
MSH.5.3	Universal ID Type	L	Configurable Data
MSH.6	Receiving Facility		
MSH.6.2	Universal ID	372523	Configurable Data
MSH.6.3	Universal ID Type	L	Configurable 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_3.0_1.1-NG	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_NG_Component	Test Case Fixed Data
MSH.21[2].2	Namespace ID	LOI NG Profile	Changeable Data
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.79	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
PID.1	Set ID - PID	1	IG Fixed Data
PID.3	Patient Identifier List		
PID.3.1	ID Number	PATID1234	Configurable Data
PID.3.4	Assigning Authority		

PID.3.4.2 Location	Universal ID Data Element	372524 Data	Configurable Data Categorization
PID.3.4.3	Universal ID Type	L	Configurable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Jones	Changeable Data
PID.5.2	Given Name	William	Changeable Data
PID.5.3	Second and Further Given Names or Initials Thereof	A	Changeable Data
PID.5.4	Suffix (e.g., JR or III)	JR	Changeable Data
PID.5.7	Name Type Code	L	Changeable Data
PID.7	Date/Time of Birth		
PID.7.1	Date/Time	19610615	Changeable Data
PID.8	Administrative Sex	M	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	2100 Kennwood Ave	Changeable Data
PID.11.2	Other Designation	Apt 41	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	90067	Changeable Data
PID.11.7	Address Type	H	Test Case 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	ORD777888	Changeable Data
ORC.2.3	Universal ID	372520	Configurable Data
ORC.2.4	Universal ID Type	L	Changeable Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874244	Changeable Data
ORC.4.3	Universal ID	372520	Configurable Data
ORC.4.4	Universal ID Type	L	Changeable 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.12.9.2	Universal ID	372526	Configurable Data
ORC.12.9.3	Universal ID Type	L	Configurable 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

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	ORD777888	Changeable Data
OBR.2.3	Universal ID	372520	Configurable Data
OBR.2.4	Universal ID Type	L	Changeable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	400.1	Test Case Fixed Data
OBR.4.2	Text	Lipid Panel - direct LDL	Changeable Data
OBR.4.3	Name of Coding System	99USL	Changeable Data
OBR.4.4	Alternate Identifier	57698-3	Test Case Fixed Data
OBR.4.5	Alternate Text	Lipid panel with direct LDL - Serum or Plasma	Changeable Data
OBR.4.6	Name of Alternate Coding System	LN	Changeable Data
OBR.4.7	Coding System Version ID	20130421	Changeable Data
OBR.4.9	Original Text	Lipid Panel - direct LDL	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Date/Time	20110531123551-0800	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.16.9.2	Universal ID	372526	Configurable Data
OBR.16.9.3	Universal ID Type	L	Changeable Data
OBR.16.10	Name Type Code	L	Changeable Data
OBR.16.13	Identifier Type Code	NPI	Changeable Data
OBR.28	Result Copies To		
OBR.28.1	ID Number	10092000194	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Hamlin	Changeable Data
OBR.28.3	Given Name	Pafford	Changeable Data
OBR.28.9	Assigning Authority		
OBR.28.9.2	Universal ID	372526	Configurable Data
OBR.28.9.3	Universal ID Type	L	Changeable Data
OBR.28.10	Name Type Code	L	Changeable Data
OBR.28.13	Identifier Type Code	NPI	Changeable Data

PRT

Location	Data Element	Data	Categorization
PRT.1	Participation Instance ID		
PRT.1.1	Entity Identifier	1	Changeable Data
PRT.1.3	Universal ID	372520	Configurable Data
PRT.1.4	Universal ID Type	L	Configurable Data
PRT.2	Action Code	AD	IG Fixed Data
PRT.4	Participation		
PRT.4.1	Identifier	RCT	Test Case Fixed Data
PRT.4.2	Text	Result Copies To	Changeable Data
PRT.4.3	Name of Coding System	HL70912	IG Fixed Data
PRT.4.9	Original Text	Send blind carbon copies to	Changeable Data
PRT.5	Participation Person		
PRT.5.1	ID Number	10092000194	Changeable Data
PRT.5.2	Family Name		
PRT.5.2.1	Surname	Hamlin	Changeable Data

Location	Data Element	Data	Categorization
PRT.5.9	Assigning Authority		
PRT.5.9.2	Universal ID	372526	Configurable Data
PRT.5.9.3	Universal ID Type	L	Changeable Data
PRT.5.10	Name Type Code	L	Changeable Data
PRT.5.13	Identifier Type Code	NPI	Changeable Data
PRT.15	Participant Telecommunication Address		
PRT.15.3	Telecommunication Equipment Type	FX	Changeable Data
PRT.15.6	Area/City Code	323	Changeable Data
PRT.15.7	Local Number	5555555	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	Z82.49	Test Case Fixed Data
DG1.3.2	Text	Family history of ischemic heart disease and other diseases of the circulatory system	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.3.9	Original Text	family history of heart disease NOS	Changeable Data
DG1.6	Diagnosis Type	W	Changeable Data
DG1.15	Diagnosis Priority	2	Changeable Data

DG1

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	2	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	R00.2	Test Case Fixed Data
DG1.3.2	Text	Palpitations	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.3.9	Original Text	Palpitations	Changeable 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	49541-6	Test Case Fixed Data
OBX.3.2	Text	Fasting status	Changeable Data
OBX.3.3	Name of Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	1902	Test Case Fixed Data
OBX.3.5	Alternate Text	Fasting Status	Changeable Data
OBX.3.6	Name of Alternate Coding System	99USL	Test Case Fixed Data
OBX.5	Observation Value_Numeric		
OBX.5.1	Identifier	Y	Test Case Fixed Data
OBX.5.2	Text	Yes	Changeable Data
OBX.5.3	Name of Coding System	HL70136	Test Case Fixed Data
OBX.11	Observation Result Status	O	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Date/Time	20110531	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 Location	Specimen ID Data Element	Data	Categorization
SPM.2.1	Placer Assigned Identifier		
SPM.2.1.1	Entity Identifier	S-666555	Changeable Data
SPM.2.1.3	Universal ID	372520	Configurable Data
SPM.2.1.4	Universal ID Type	L	Changeable Data
SPM.4	Specimen Type		
SPM.4.1	Identifier	119297000	Test Case Fixed Data
SPM.4.2	Text	Blood Specimen	Changeable Data
SPM.4.3	Name of Coding System	SCT	IG Fixed Data
SPM.4.9	Original Text	Blood	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	20110531123551-0800	Changeable Data

Patient Information

Element	Data
Patient Name	William A Jones JR
Administrative Sex	Male
Date/Time of Birth	06/15/1961
Patient Address	2100 Kennwood Ave Apt 41 Los Angeles CA 90067
Race	White

Order**Ordering Provider**

Element	Data
Provider Name	Nicholas Radon
Provider NPI identifier	5742200012

General order information

Element	Data
Placer Order Number	ORD777888
Placer Group Number	GORD874244
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	Lipid Panel - direct LDL
Observation Date/Time	05/31/2011 12:35:51 PM -0800

Result copies

Element	Data
Instance ID	1
NPI Identifier	10092000194
Name	Pafford Hamlin
Action code	AD
Participation	Send blind carbon copies to

Diagnosis information - 1

Element	Data
Priority	2
Diagnosis ICD-10CM Code	Z82.49
Diagnosis type	W

Diagnosis information - 2

Element	Data
Priority	1
Diagnosis ICD-10CM Code	R00.2
Diagnosis type	W

Observation Result - 1

Observation Result - 1

Element	Data
Observation Identifier (LOINC code)	49541-6
Observation Identifier (local code)	1902
Observation Value	Yes
Observation Result status	O
Date/Time of the Observation	05/31/2011
Observation Type	SCI

Specimen Details

Element	Data
Type	Blood
Collection Start Date/Time	05/31/2011 12:35:51 PM -0800

MSH|^~\&#|^372520^L|^372521^L|^372522^L|^372523^L|20130211184101-0500||OML^O21^OML_O21|NIST-LOI_3.0_1.1-NG|T|2.5.1||AL
|AL|||LOI_Common_Component^LOI Base Profile^2.16.840.1.113883.9.66^ISO~LOI_NG_Component^LOI NG Profile^2.16.840.1.1138
83.9.79^ISO~LAB_PRU_Component^LOI PRU Profile^2.16.840.1.113883.9.82^ISO

PID|1||PATID1234^^^&372524&L^MR||Jones^William^A^JR^^^L||19610615|M||2106-3^White^HL70005|2100 Kennwood Ave^Apt 41^Los
Angeles^CA^90067^^H

ORC|NW|ORD777888^^372520^L||GORD874244^^372520^L|||20120628070100||5742200012^Radon^Nicholas^^^^^^&372526&L^L^^NPI|
|||||2^Patient has been informed of responsibility, and agrees to pay for service^HL70339

OBR|1|ORD777888^^372520^L||400.1^Lipid Panel - direct LDL^99USL^57698-3^Lipid panel with direct LDL - Serum or Plasma^L
N^20130421^^Lipid Panel - direct LDL||20110531123551-0800||||||5742200012^Radon^Nicholas^^^^^^&372526&L^L^^NPI||||
|||||10092000194^Hamlin^Pafford^^^^^^&372526&L^L^^NPI

PRT|1^^372520^L|AD||RCT^Result Copies To^HL70912^^^^^^Send blind carbon copies to|10092000194^Hamlin^Pafford^^^^^^&3725
26&L^L^^NPI||||||^FX^^323^555555

DG1|1||Z82.49^Family history of ischemic heart disease and other diseases of the circulatory system^I10C^^^^^^family hi
story of heart diease NOS||W||||||2

DG1|2||R00.2^Palpitations^I10C^^^^^^Palpitations||W||||||1

OBX|1|CWE|49541-6^Fasting status^LN^1902^Fasting Status^99USL|Y^Yes^HL70136||||O||20110531|||||||SCI

SPM|1|S-666555&&372520&L|119297000^Blood Specimen^SCT^^^^^^Blood|||||||20110531123551-0800