

Description

Mr. William A. Jones is a 51 year old white male who presented with a complaint of bloody diarrhea over the last 3 days. Dr. Nicholas Radon ordered a stool culture test to be performed using the LOI message. Dr Radon also requested that the results be CC'd to Dr Pafford M. Hamlin. A stool specimen for the microbiology test was collected from the patient and sent to the clinical lab at Century Hospital for processing.

PreCondition

No Pre Condition.

PostCondition

No Post Condition.

TestObjectives

- Test for typically populated order for culture and susceptibility

Test Case Information

NIST-LOI_4.0_1.1-NG - Culture_and_Suscep

Test Case ID

LOI_4.0_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.3.1	Namespace ID	NIST EHR	Configurable Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.5	Receiving Application		
MSH.5.1	Namespace ID	NIST Test Lab APP	Configurable Data
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID	NIST Lab Facility	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_4.0_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.3.4.1	Namespace ID	NIST MPI	Configurable Data
PID.3.5	Identifier Type Code	MR	Changeable Data
PID.5	Patient Name		
PID.5.1	Family Name		

PID.5.4.1 Location	Surname Data Element	Jones Data	Changeable Data Categorization
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	ORD723222-4	Changeable Data
ORC.2.2	Namespace ID	NIST EHR	Configurable Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874211	Changeable Data
ORC.4.2	Namespace ID	NIST EHR	Configurable Data
ORC.9	Date/Time of Transaction		
ORC.9.1	Time	20110530124211-0800	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.12.10	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	ORD723222-4	Changeable Data
OBR.2.2	Namespace ID	NIST EHR	Configurable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	1100	Test Case Fixed Data
OBR.4.2	Text	Stool culture with Susceptibility	Changeable Data

Location	Data Element	Data	Categorization
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.9	Original Text	Stool Culture with Susceptibility Reflex	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Date/Time	20110530123551-0800	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.16.9.1	Namespace ID	NPI	Configurable 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.28.9.1	Namespace ID	NPI	Configurable 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.1.2	Namespace ID	NIST EHR	Configurable Data
PRT.1.3	Universal ID	2.16.840.1.113883.3.72.5.22	Configurable Data
PRT.1.4	Universal ID Type	ISO	Changeable 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.5	Participation Person		
PRT.5.1	ID Number	10092000194	Changeable Data
PRT.5.2	Family Name		
PRT.5.2.1	Surname	Hamlin	Changeable Data
PRT.5.3	Given Name	Pafford	Changeable Data
PRT.5.9	Assigning Authority		
PRT.5.9.1	Namespace ID	NPI	Configurable 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	R19.7	Test Case Fixed Data
DG1.3.2	Text	Diarrhea, unspecified	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data

DG1.3.9	Original Text	DIARRHEA	Changeable Data
Location	Data Element	Data	Categorization
DG1.6	Diagnosis Type	F	Changeable Data
DG1.15	Diagnosis Priority	1	Changeable 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	S201105-23452	Changeable Data
SPM.2.1.2	Namespace ID	NIST EHR	Configurable Data
SPM.4	Specimen Type		
SPM.4.1	Identifier	119339001	Test Case Fixed Data
SPM.4.2	Text	Stool specimen	Changeable Data
SPM.4.3	Name of Coding System	SCT	IG Fixed Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	20110530123551-0800	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	ORD723222-4
Placer Group Number	GORD874211
Order Control	NW
Advanced Beneficiary Notice Code	Patient has been informed of responsibility, and agrees to pay for service
Date/Time of Transaction	05/30/2011 12:42:11 PM -0800

Order details

Element	Data
Universal Service Identifier	Stool culture with Susceptibility
Observation Date/Time	05/30/2011 12:35:51 PM -0800

Result copies

Element	Data
Instance ID	1
NPI Identifier	10092000194
Name	Pafford Hamlin
Action code	AD
Participation	Result Copies To

Diagnosis information

Element	Data
Priority	1
Diagnosis ICD-10CM Code	R19.7
Diagnosis type	F

Specimen Details

Element	Data
Type	Stool specimen
Collection Start Date/Time	05/30/2011 12:35:51 PM -0800

MSH|^~&#|NIST EHR|NIST EHR Facility|NIST Test Lab APP|NIST Lab Facility|20130211184101-0500||OML^O21^OML_O21|NIST-
LOI_
4.0_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^2.16.840.1.113883.9.79^ISO~LAB_PRU_Component^LOI PRU Profile^2.16.840.1.113883.9.82^ISO
PID|1||PATID|1234^^^NIST MPI^MR||Jones^William^A^JR^^L|19610615|M||2106-3^White^HL70005|2100 Kennwood Ave^Apt 41^Los
A
ngeles^CA^90067^^H
ORC|NW|ORD723222-4^NIST EHR||GORD874211^NIST EHR||||20110530124211-
0800||5742200012^Radon^Nicholas^^^^^^NPI^L^^^NPI||
||||2^Patient has been informed of responsibility, and agrees to pay for service^HL70339
OBR|1|ORD723222-4^NIST EHR||1100^Stool culture with Susceptibility^99USL^^^^^^Stool Culture with Susceptibility Reflex|
||20110530123551-0800||||||5742200012^Radon^Nicholas^^^^^^NPI^L^^^NPI||||||10092000194^Hamlin^Pafford^^^^^^NPI^
L^^^NPI
PRT|1^NIST EHR^2.16.840.1.113883.3.72.5.22^ISO|AD||RCT^Result Copies
To^HL70912|10092000194^Hamlin^Pafford^^^^^^NPI^L^^
^NPI||||||^FX^^^323^5555555
DG1|1||R19.7^Diarrhea, unspecified^I10C^^^^^^DIARRHEA||F||||||1
SPM|1|S201105-23452&NIST EHR||119339001^Stool specimen^SCT|||||||20110530123551-0800