Description

Mr. William A. Jones is a 51 year old white male who presented with a history of high fever, fatigue, and shortness of breath on exertion. Dr. Nicholas Radon ordered a complete blood count (CBC) test to be performed. A blood specimen for the CBC test was collected from the patient and sent to the clinical lab at Century Hospital for processing. The order instructs that a copy of the test result report to be sent to Dr. Naddy Deluca.

PreCondition

No Pre Condition.

PostCondition

No Post Condition.

TestObjectives

- Test for typically populated order for a CBC

NIST-LOI_2.0_1.1-GU - CBC	
Test Case ID	LOI_2.0_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_2.0_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.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	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	Jones	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

────── 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	ORD666555	Changeable Data
ORC.2.2	Namespace ID	GoodHealthC_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.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874233	Changeable Data
ORC.4.2	Namespace ID	GoodHealthC_EHR	Configurable Data
ORC.4.3	Universal ID	2.16.840.1.113883.3.72.5.24	Configurable Data
ORC.4.4	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

────── 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	ORD666555	Changeable Data
OBR.2.2	Namespace ID	GoodHealthC_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	200	Test Case Fixed Data
OBR.4.2	Text	CBC_diff	Changeable Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.4	Alternate Identifier	57021-8	Test Case Fixed Data
OBR.4.5	Alternate Text	CBC W Auto Differential panel in Blood	Changeable Data
OBR.4.6	Name of Alternate Coding System	LN	Changeable Data

Location	Data Element	Data	Categorization
OBR.4.7	Coding System Version ID	20130421	Changeable Data
OBR.4.9	Original Text	Complete Blood Count	Changeable Data
OBR.7	**Observation Date/Time**		
OBR.7.1	Date/Time	20110103143428-0800	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.16.9.2	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.28	**Result Copies To**		
OBR.28.1	ID Number	23456783310	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Deluca	Changeable Data
OBR.28.3	Given Name	Naddy	Changeable Data
OBR.28.9	Assigning Authority		
OBR.28.9.1	Namespace ID	NPI	Configurable Data
OBR.28.9.2	Universal ID	2.16.840.1.113883.4.6	Configurable Data
OBR.28.9.3	Universal ID Type	ISO	IG Fixed 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	IG Fixed 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	23456783310	Changeable Data
PRT.5.2	Family Name		
PRT.5.2.1	Surname	Deluca	Changeable Data
PRT.5.3	Given Name	Naddy	Changeable Data
PRT.5.9	Assigning Authority		
PRT.5.9.1	Namespace ID	NPI	Configurable Data
PRT.5.9.2	Universal ID	2.16.840.1.113883.4.6	Configurable Data
PRT.5.9.3	Universal ID Type	ISO	IG Fixed 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	5555545	Changeable Data

───DG1───

Location	Data Element	Data	Categorization
DG1.1	**Set ID - DG1**	1	IG Fixed Data

DG1.3 Location	Diagnosis Code DG1 Data Element	Data	Categorization
DG1.3.1	Identifier	J18.8	Test Case Fixed Data
DG1.3.2	Text	Other pneumonia, unspecified organism	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

───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-666555	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.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.17	**Specimen Collection Date/Time**		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	20110103143428-0800	Changeable Data

Patient Information

Element	Data
Patient Name	Jones
Administrative Sex	Male
Date/Time of Birth	06/15/1961

Order

Ordering Provider

Element	Data
Provider Name	Nicholas Radon
Provider NPI identifier	5742200012

General order information

Element	Data
Placer Order Number	ORD666555
Placer Group Number	GORD874233
Order Control	NW
Date/Time of Transaction	06/28/2012 07:01:00 AM

Order details

Element	Data
Universal Service Identifier	CBC_diff
Observation Date/Time	01/03/2011 02:34:28 PM -0800

Result copies

Element	Data
Instance ID	1
NPI Identifier	23456783310
Name	Naddy Deluca
Action code	AD
Participation	Result Copies To

Diagnosis information

Element	Data
Priority	1
Diagnosis ICD-10CM Code	J18.8
Diagnosis type	W

Specimen Details

Element	Data
Type	Blood Specimen
Collection Start Date/Time	01/03/2011 02:34:28 PM -0800

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_2.0_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||PATID1234^^^&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Jones^^^^^^L||19610615|M

ORC|NW|ORD666555^GoodHealthC_EHR^2.16.840.1.113883.3.72.5.24^ISO||GORD874233^GoodHealthC_EHR^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|ORD666555^GoodHealthC_EHR^2.16.840.1.113883.3.72.5.24^ISO||200^CBC_diff^99USL^57021-8^CBC W Auto Differential panel in Blood^LN^20130421^^Complete Blood Count|||20110103143428-0800|||||||||5742200012^Radon^Nicholas^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^^NPI||||||||||23456783310^Deluca^Naddy^^^^^^NPI&2.16.840.1.113883.4.6&ISO^^^^NPI

PRT|1^NIST EHR^2.16.840.1.113883.3.72.5.22^ISO|AD||RCT^Result Copies To^HL70912|23456783310^Deluca^Naddy^^^^^^NPI&2.16.840.1.113883.4.6&ISO^^^^NPI|||||||||^^FX^^^323^5555545

DG1|1||J18.8^Other pneumonia, unspecified organism^I10C|||W|||||||||1

SPM|1|S-666555&NIST EHR&2.16.840.1.113883.3.72.5.24&ISO||119297000^Blood Specimen^SCT|||||||||||||20110103143428-0800