

Description

Mr. William A. Jones is a 51 year old white male who presented with pain, swelling, and redness in several joints including his elbows, wrists, knees, and hips on March 31, 2011 at 2:05 PM PST. In order to screen for rheumatoid diseases, Dr. Nicholas Radon ordered an erythrocyte sedimentation rate (ESR or Sed Rate) blood test using the GoodHealth Clinic's EHR system, specifying that the laboratory's patient service center was to draw the blood specimen from the patient who was scheduled to arrive at 3:00 PM PST. Dr Radon also requests that the results be CC'd to Dr Pafford M. Hamlin Sr, a specialist to which he is referring Mr Jones as well as Dr. Daniel Davison who is Mr Jones' regular doctor.

PreCondition

No Pre Condition.

PostCondition

No Post Condition.

TestObjectives

- Demonstrate ability to create a message that contains all the supported relevant (R,RE,C(a/b)) data elements for the test case, including multiple occurrences for the following segments:
- MSH,
- ORC,
- OBR,
- PRT,
- and NTE.
- (Exceptions are ORC.3 - Filler Order Number, OBR.3 - Filler Order Number and OBR.8 - Observation End Date/Time See test cases, 'LOI_7.0_2.1-GU' (GHP_Addon_ft4) and 'LOI_9.0_1.1-GU_PRN/PRU' (Creatinine_Clearance_Update)
- Demonstrate the capability to create a message containing the multiple occurrences of Notes and Comments Segment (NTE) that following the Observation Request Segment (OBR).
- Demonstrate the capability to create a message containing multiple occurrences of PRT segments for result copy request to multiple recipients.

Test Case Information

NIST-LOI_1.0_1.1-NG - Sed_Rate

Test Case ID

LOI_1.0_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_1.0_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 Location	Namespace ID Data Element	NIST MPI Data	Configurable Data Categorization
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	ORD10	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	201103311430	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.14	Call Back Phone Number		
ORC.14.3	Telecommunication Equipment Type	PH	Test Case Fixed Data
ORC.14.6	Area/City Code	213	Changeable Data
ORC.14.7	Local Number	7865600	Changeable Data
ORC.14.8	Extension	3312	Changeable Data
ORC.14[2]	Call Back Phone Number		
ORC.14[2].3	Telecommunication Equipment Type	X.400	Test Case Fixed Data
ORC.14[2].4	Email Address	n.m.radon@goodhealth.org	Changeable Data
ORC.20	Advanced Beneficiary Notice Code		
ORC.20.1	Identifier	4	Test Case Fixed Data
		Advanced Beneficiary Notice has not been	

ORC.20.2 Location	Text Data Element	signed Data	Changeable Data Categorization
ORC.20.3	Name of Coding System	HL70339	IG Fixed Data
ORC.20.7	Coding System Version ID	2.5.1	Changeable Data
ORC.20.9	Original Text	ABN not signed	Changeable Data

TQ1

Location	Data Element	Data	Categorization
TQ1.1	Set ID - TQ1	1	IG Fixed Data
TQ1.7	Start date/time		
TQ1.7.1	Date/Time	201103311500-0800	Changeable Data
TQ1.9	Priority		
TQ1.9.1	Identifier	R	Changeable Data
TQ1.9.3	Name of Coding System	HL70485	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	ORD10	Changeable Data
OBR.2.2	Namespace ID	NIST EHR	Configurable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	500	Test Case Fixed Data
OBR.4.2	Text	Erythrocyte sedimentation rate	Changeable Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.4	Alternate Identifier	30341-2	Test Case Fixed Data
OBR.4.5	Alternate Text	Erythrocyte sedimentation rate	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	Erythrocyte sedimentation rate	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.17	Order Call-back Phone Number		
OBR.17.3	Telecommunication Equipment Type	PH	Test Case Fixed Data
OBR.17.6	Area/City Code	626	Changeable Data
OBR.17.7	Local Number	5552341	Changeable Data
OBR.17.8	Extension	3312	Changeable Data
OBR.17[2]	Order Call-back Phone Number		
OBR.17[2].3	Telecommunication Equipment Type	Internet	Test Case Fixed Data
OBR.17[2].4	Email Address	n.radon@goodhealth.org	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
OBR.28[2]	Result Copies To		
OBR.28[2].1	ID Number	2129416824	Changeable Data

OBR.28[2].2 Location	Family Name Data Element	Data	Categorization
OBR.28[2].2.1	Surname	Davison	Changeable Data
OBR.28[2].3	Given Name	Daniel	Changeable Data
OBR.28[2].9	Assigning Authority		
OBR.28[2].9.1	Namespace ID	NPI	Configurable Data
OBR.28[2].10	Name Type Code	L	Changeable Data
OBR.28[2].13	Identifier Type Code	NPI	Changeable Data

NTE

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	1	IG Fixed Data
NTE.3	Comment	Patient is extremely anxious about needles used for drawing blood. If patient is overly frightened, nervous, or anxious please reschedule blood draw.	Changeable Data

NTE

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	2	IG Fixed Data
NTE.3	Comment	Patient is allergic to latex	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.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	Copy 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
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.14	Participation Address		
PRT.14.1	Street Address		
PRT.14.1.1	Street or Mailing Address	555 Tennessee Ave	Changeable Data
PRT.14.2	Other Designation	suite 120	Changeable Data
PRT.14.3	City	Huntington Park	Changeable Data
PRT.14.4	State or Province	CA	Changeable Data
PRT.14.5	Zip or Postal Code	90255	Changeable Data
PRT.14.6	Country Code	USA	Changeable Data
PRT.14.7	Address Type	B	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
PRT.15[2]	Participant Telecommunication Address		
PRT.15[2].3	Telecommunication Equipment Type	Internet	Changeable Data

PRT.15[2].4	Email Address	DocPafford@gooddr.com	Changeable Data
Location	Data Element	Data	Categorization
PRT.15[3]	Participant Telecommunication Address		
PRT.15[3].3	Telecommunication Equipment Type	PH	Changeable Data
PRT.15[3].6	Area/City Code	310	Changeable Data
PRT.15[3].7	Local Number	5465550	Changeable Data
PRT.15[3].8	Extension	19	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.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 carbon copies to	Changeable Data
PRT.5	Participation Person		
PRT.5.1	ID Number	2129416824	Changeable Data
PRT.5.2	Family Name		
PRT.5.2.1	Surname	Davison	Changeable Data
PRT.5.3	Given Name	Daniel	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.14	Participation Address		
PRT.14.1	Street Address		
PRT.14.1.1	Street or Mailing Address	7014 West Arbor Vitae St	Changeable Data
PRT.14.2	Other Designation	Suite 120	Changeable Data
PRT.14.3	City	Inglewood	Changeable Data
PRT.14.4	State or Province	CA	Changeable Data
PRT.14.5	Zip or Postal Code	90313	Changeable Data
PRT.14.6	Country Code	USA	Changeable Data
PRT.14.7	Address Type	B	Changeable Data
PRT.15	Participant Telecommunication Address		
PRT.15.3	Telecommunication Equipment Type	FX	Changeable Data
PRT.15.6	Area/City Code	310	Changeable Data
PRT.15.7	Local Number	5465555	Changeable Data
PRT.15[2]	Participant Telecommunication Address		
PRT.15[2].3	Telecommunication Equipment Type	Internet	Changeable Data
PRT.15[2].4	Email Address	dddIII@gooddr.com	Changeable Data
PRT.15[3]	Participant Telecommunication Address		
PRT.15[3].3	Telecommunication Equipment Type	PH	Changeable Data
PRT.15[3].6	Area/City Code	310	Changeable Data
PRT.15[3].7	Local Number	5465550	Changeable Data
PRT.15[3].8	Extension	18	Changeable Data
PRT.15[4]	Participant Telecommunication Address		
PRT.15[4].3	Telecommunication Equipment Type	PH	Changeable Data
PRT.15[4].6	Area/City Code	310	Changeable Data
PRT.15[4].7	Local Number	3235780	Changeable Data
PRT.15[4].8	Extension	19	

DG1

Location	Data Element	Data	Categorization
DG1.1	Set ID - DG1	1	IG Fixed Data
DG1.3	Diagnosis Code - DG1		
DG1.3.1	Identifier	M25.50	Test Case Fixed Data
DG1.3.2	Text	Pain in unspecified joint	Changeable Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.6	Diagnosis Type	F	Changeable Data
DG1.15	Diagnosis Priority	1	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
Call Back Phone number	(213)786 - 5600 ext 3312
Email address	n.m.radon@goodhealth.org

General order information

Element	Data
Placer Order Number	ORD10
Placer Group Number	GORD874211
Order Control	NW
Advanced Beneficiary Notice Code	ABN not signed
Date/Time of Transaction	03/31/2011 02:30 PM

Timing/Quantity Information

Element	Data
Start Date/time	03/31/2011 03:00 PM -0800
Priority	R

Order details

Element	Data
Universal Service Identifier	Erythrocyte sedimentation rate

Notes & comments

Element	Data
Comments	Patient is extremely anxious about needles used for drawing blood. If patient is overly frightened, nervous, or anxious please reschedule blood draw.
Comments	Patient is allergic to latex

Result copies - 1

Element	Data
Instance ID	1
NPI Identifier	10092000194
Name	Pafford Hamlin

Address	555 Tennessee Ave suite 120 Huntington Park CA 90255 USA
Email address	DocPafford@gooddr.com
Phone Number	(310)546 - 5550 ext 19
Action code	AD
Participation	Copy to

Result copies - 2

Element	Data
Instance ID	1
NPI Identifier	2129416824
Name	Daniel Davison
Address	7014 West Arbor Vitae St Suite 120 Inglewood CA 90313 USA
Email address	dddIII@gooddr.com
Phone Number	(310)546 - 5550 ext 18
Phone Number	(310)323 - 5780 ext 19
Action code	AD
Participation	Send carbon copies to

Diagnosis information

Element	Data
Priority	1
Diagnosis ICD-10CM Code	M25.50
Diagnosis type	F

MSH|^~&#|^372520^L|^372521^L|^372522^L|^372523^L|20130211184101-0500||OML^O21^OML_O21|NIST-LOI_1.0_1.1-NG|T2.5.1||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||PATID1234^^^NIST MPI^MR||Jones^William^A^JR^^L|19610615|M|2106-3^White^HL70005|2100 Kennwood Ave^Apt 41^Los Angeles^CA^90067^^H

ORC|NW|ORD10^NIST EHR||GORD874211^NIST EHR||||201103311430||5742200012^Radon^Nicholas^^^^^^NPI^L^^NPI||^PH^^213^7865600^3312~^^X.400^n.m.radon@goodhealth.org||||4^Advanced Beneficiary Notice has not been signed^HL70339^^^^2.5.1^^ABN not signed

TQ1|1||||201103311500-0800||R^^HL70485

OBR|1|ORD10^NIST EHR||500^Erythrocyte sedimentation rate^99USL^30341-2^Erythrocyte sedimentation rate^LN^20130421^^Erythrocyte sedimentation rate||||||||5742200012^Radon^Nicholas^^^^^^NPI^L^^NPI||^PH^^626^5552341^3312~^^Internet^n.radon@goodhealth.org||||10092000194^Hamlin^Pafford^^^^^^NPI^L^^NPI~2129416824^Davison^Daniel^^^^^^NPI^L^^NPI

NTE|1||Patient is extremely anxious about needles used for drawing blood.\E\br\EIf patient is overly frightened, nervous, or anxious please reschedule blood draw.

NTE|2||Patient is allergic to latex

PRT|1^NIST EHR|AD||RCT^Result Copies To^HL70912^^^^^^Copy to|10092000194^Hamlin^Pafford^^^^^^NPI^L^^NPI||||||555 Tennessee Ave^suite 120^Huntington Park^CA^90255^USA^B|^FX^^323^5555555~^^Internet^DocPafford@gooddr.com~^^PH^^310^5465550^19

PRT|1^NIST EHR|AD||RCT^Result Copies To^HL70912^^^^^^Send carbon copies to|2129416824^Davison^Daniel^^^^^^NPI^L^^NPI||||||7014 West Arbor Vitae St^Suite 120^Inglewood^CA^90313^USA^B|^FX^^310^5465555~^^Internet^dddlll@gooddr.com~^^PH^^310^5465550^18~^^PH^^310^3235780^19

DG1|1||M25.50^Pain in unspecified joint^I10C||F||||||1