Description

Geronimo Alto, a 78 year old patient, is seen by Dr. Ramirez at the Los Angeles Clinic for a prostate biopsy, due to trouble urinating to rule out Prostate Cancer. Dr. Ramirez collects 10 biopsy samples via a transrectal needle biopsy procedure, places them into their respective containers with 10% Formalin and sends them off immediately to the clinical lab at Century Hospital.

PreCondition

No Pre Condition

PostCondition

No Post Condition

TestObjectives

- Demonstrate the capability to support repeating Specimen Group and Segment (SPM).
- Minimally populated MSH Segment - Demonstrate the capability to support only minimally required data elements in the MSH segment.
- Minimally populated ORC Segment - Demonstrate the capability to support only minimally required data elements in the ORC segment.
- Minimally populated OBR Segment - Demonstrate the capability to support only minimally required data elements in the OBR segment.
- Minimally populated DG1 Segment - Demonstrate the capability to support only minimally required data elements in the DG1 segment.
- Minimally populated SPM Segment - Demonstrate the capability to support only minimally required data elements in the SPM segment.

NIST-LOI_10.0_1.1-NG - Prostate_Biopsy	
Test Case ID	LOI_10.0_1.1-NG

MSH

Location	Data Element	Data	Categorization
MSH.1	**Field Separator**	|	IG Fixed Data
MSH.2	**Encoding Characters**	^~\&#	IG Fixed Data
MSH.4	**Sending Facility**		
MSH.4.1	Namespace ID	NIST EHR Facility	Configurable Data
MSH.7	**Date/Time Of Message**		
MSH.7.1	Time	20130314120000-0500	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_10.0_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**	ER	Changeable Data
MSH.21	**Message Profile Identifier**		
MSH.21.1	Entity Identifier	LOI_NG_PRU_Profile	Test Case Fixed Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.87	Test Case Fixed Data
MSH.21.4	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	PATID1500	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.5.1.1	Surname	Alto	Changeable Data
PID.5.2	Given Name	Geronimo	Changeable Data
PID.5.7	Name Type Code	L	Changeable Data
PID.7	**Date/Time of Birth**		
PID.7.1	Date/Time	19350626	Changeable Data
PID.8	**Administrative Sex**	M	Changeable Data
PID.11	**Patient Address**		
PID.11.4	State or Province	CA	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	ORD150	Changeable Data
ORC.2.2	Namespace ID	NIST EHR	Configurable Data
ORC.9	**Date/Time of Transaction**		

Location	Time	Data Element	201301311200	Data	System Generated	Categorization

Location	Data Element	Data	Categorization
ORC.9.1	Time	201301311200	System Generated
ORC.12	**Ordering Provider**		
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Ramirez	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	ORD150	Changeable Data
OBR.2.2	Namespace ID	NIST EHR	Configurable Data
OBR.4	**Universal Service Identifier**		
OBR.4.1	Identifier	600	Test Case Fixed Data
OBR.4.2	Text	Prostate Biopsy Pathology Report	Test Case Fixed Data
OBR.4.3	Name of Coding System	99USL	Test Case Fixed Data
OBR.4.4	Alternate Identifier	66117-3	Test Case Fixed Data
OBR.4.5	Alternate Text	Prostate Pathology biopsy report	Changeable Data
OBR.4.6	Name of Alternate Coding System	LN	Changeable Data
OBR.7	**Observation Date/Time**		
OBR.7.1	Date/Time	201301311000	Changeable Data
OBR.16	**Ordering Provider**		
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Ramirez	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	Z12.5	Test Case Fixed Data
DG1.3.3	Name of Coding System	I10C	Test Case Fixed Data
DG1.6	**Diagnosis Type**	W	Changeable Data

---SPM---

Location	Data Element	Data	Categorization
SPM.1	**Set ID - SPM**	1	IG Fixed Data
SPM.4	**Specimen Type**		
SPM.4.9	Original Text	Prostate biopsy sample	Changeable Data
SPM.17	**Specimen Collection Date/Time**		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311000	Changeable Data

---SPM---

Location	Data Element	Data	Categorization
SPM.1	**Set ID - SPM**	2	IG Fixed Data
SPM.4	**Specimen Type**		
SPM.4.9	Original Text	Prostate biopsy sample#2	Changeable Data
SPM.17	**Specimen Collection Date/Time**		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311002	Changeable Data

---SPM---

Location	Data Element	Data	Categorization
SPM.1	**Set ID - SPM**	3	IG Fixed Data
SPM.4	**Specimen Type**		
SPM.4.9	Original Text	Prostate biopsy sample#3	Changeable Data
SPM.17	**Specimen Collection Date/Time**		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311005	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	4	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#4	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311007	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	5	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#5	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311009	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	6	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#6	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311011	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	7	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#7	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311014	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	8	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#8	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311016	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	9	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.9	Original Text	Prostate biopsy sample#9	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Date/Time	201301311018	Changeable Data

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	10	IG Fixed Data

SPM Location	Specimen Type	Data Element	Data	Categorization
SPM.4.9		Original Text	Prostate biopsy sample#10	Changeable Data
SPM.17	**Specimen Collection Date/Time**			
SPM.17.1		Range Start Date/Time		
SPM.17.1.1		Date/Time	201301311021	Changeable Data

Patient Information

Element	Data
Patient Name	Geronimo Alto
Administrative Sex	Male
Date/Time of Birth	06/26/1935
Patient Address	CA

Order

Ordering Provider

Element	Data
Provider Name	Ramirez

General order information

Element	Data
Placer Order Number	ORD150
Order Control	NW
Date/Time of Transaction	01/31/2013 12:00 PM

Order details

Element	Data
Universal Service Identifier	Prostate Biopsy Pathology Report
Observation Date/Time	01/31/2013 10:00 AM

Diagnosis information

Element	Data
Diagnosis ICD-10CM Code	Z12.5
Diagnosis type	W

Specimen Details - 1

Element	Data
Type	Prostate biopsy sample
Collection Start Date/Time	01/31/2013 10:00 AM

Specimen Details - 2

Element	Data
Type	Prostate biopsy sample#2
Collection Start Date/Time	01/31/2013 10:02 AM

Specimen Details - 3

Element	Data
Type	Prostate biopsy sample#3
Collection Start Date/Time	01/31/2013 10:05 AM

Specimen Details - 4

Element	Data
Type	Prostate biopsy sample#4
Collection Start Date/Time	01/31/2013 10:07 AM

Specimen Details - 5

Element	Data
Type	Prostate biopsy sample#5
Collection Start Date/Time	01/31/2013 10:09 AM

Specimen Details - 6

Element	Data
Type	Prostate biopsy sample#6
Collection Start Date/Time	01/31/2013 10:11 AM

Specimen Details - 7

Element	Data
Type	Prostate biopsy sample#7
Collection Start Date/Time	01/31/2013 10:14 AM

Specimen Details - 8

Element	Data
Type	Prostate biopsy sample#8
Collection Start Date/Time	01/31/2013 10:16 AM

Specimen Details - 9

Element	Data
Type	Prostate biopsy sample#9
Collection Start Date/Time	01/31/2013 10:18 AM

Specimen Details - 10

Element	Data
Type	Prostate biopsy sample#10
Collection Start Date/Time	01/31/2013 10:21 AM

MSH|^~\&#||NIST EHR Facility|||20130314120000-0500||OML^O21^OML_O21|NIST-LOI_10.0_1.1-NG|T|2.5.1|||AL|ER|||||LOI_NG_PRU
_Profile^^2.16.840.1.113883.9.87^ISO

PID|1||PATID1500^^^NIST MPI^MR||Alto^Geronimo^^^^^L||19350626|M|||^^^CA^^^H

ORC|NW|ORD150^NIST EHR|||||||201301311200|||^Ramirez

OBR|1|ORD150^NIST EHR||600^Prostate Biopsy Pathology Report^99USL^66117-3^Prostate Pathology biopsy report^LN|||2013013
11000|||||||||^Ramirez

DG1|1||Z12.5^^I10C|||W

SPM|1|||^^^^^^^^^Prostate biopsy sample||||||||||||201301311000

SPM|2|||^^^^^^^^^Prostate biopsy sample#2||||||||||||201301311002

SPM|3|||^^^^^^^^^Prostate biopsy sample#3||||||||||||201301311005

SPM|4|||^^^^^^^^^Prostate biopsy sample#4||||||||||||201301311007

SPM|5|||^^^^^^^^^Prostate biopsy sample#5||||||||||||201301311009

SPM|6|||^^^^^^^^^Prostate biopsy sample#6||||||||||||201301311011

SPM|7|||^^^^^^^^^Prostate biopsy sample#7||||||||||||201301311014

SPM|8|||^^^^^^^^^Prostate biopsy sample#8||||||||||||201301311016

SPM|9|||^^^^^^^^^Prostate biopsy sample#9||||||||||||201301311018

SPM|10|||^^^^^^^^^Prostate biopsy sample#10||||||||||||201301311021