

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.

Test Case Information

NIST-LOI_10.0_1.1-GU - Prostate_Biopsy

Test Case ID

LOI_10.0_1.1-GU

MSH

Location	Data Element	Data	Categorization
MSH.1	Field Separator		IG Fixed Data
MSH.2	Encoding Characters	^~&#	IG Fixed Data
MSH.4	Sending Facility		
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.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-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_GU_PRU_Profile	Test Case Fixed Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.85	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.3.4.2	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	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

Location	Data Element	Data	Categorization
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.9	Date/Time of Transaction		
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.2.3	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	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		

Location	Data Element	Data	Categorization
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
Location	Data Element	Data	Categorization

SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	10	IG Fixed Data
SPM.4	Specimen Type		
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|^~&#|^2.16.840.1.113883.3.72.5.23^ISO|||20130314120000-0500||OML^O21^OML_O21|NIST-LOI_10.0_1.1-
GU|T2.5.1|||AL|AL
||||LOI_GU_PRU_Profile^^2.16.840.1.113883.9.85^ISO

PID|1||PATID1500^^&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Alto^Geronimo^^^^L|19350626|M||^CA^^H

ORC|NW|ORD150^^2.16.840.1.113883.3.72.5.24^ISO|||||201301311200||^Ramirez

OBR|1|ORD150^^2.16.840.1.113883.3.72.5.24^ISO||600^Prostate Biopsy Pathology Report^99USL^66117-3^Prostate Pathology bi
opsy report^LN|||201301311000||||||^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