

2014 Edition Meaningful Use Test Data

Laboratory Results Interface

LIS Test Case

Version 1.8

21st November, 2013

LRI Test Case LRI_3.0-GU

Lipid_Panel

Typically Populated Lipid Panel message - Final Results

Test Story

Description

Mr. William A. Jones is a 51 year old white male who presented for a cardiology exam. Dr. Nicholas Radon ordered a lipid panel test to be performed to check for hyperlipidemia. A blood specimen for the lipid panel test was collected from the patient and sent to the clinical lab at Century Hospital, 2070 Test Park, Los Angeles, CA, 90067, for processing. The laboratory director at this hospital is Dr. Phil J. Knowsalot, III. The blood specimen was analyzed, and the final result of the lipid panel test showed that all components were within the normal range. The final result report for this lab test was generated by the LIS and transmitted to the patient's record in the ambulatory EHR used in Dr. Radon's office practice. A copy of the test result report was sent to Dr. Pafford M. Hamlin, Sr.

Comments

NO Comments.

Pre Condition

NO PreCondition.

Post Condition

NO PostCondition.

Test Objectives

Determine if the system can correctly create a valid typically populated message for a lipid panel blood test lab result. This includes different result formats including A1.

Notes to Testers

NO Note.

Test Data Specification

Patient Information

Element Name	Data
Patient Name	William A Jones
Date/Time of Birth	06/15/1961
Administrative Sex	Male
Race	White
Alt Race	

Order Observation

Ordering Provider

Element Name	Data
Name	Nicholas Radon
Identifier number	57422

Observation Details

Element Name	Data
Observation General Information	
Placer Order Number	ORD777888
Filler Order Number	R-220713
Placer Group Number	GORD874244
Parent Universal Service Identifier	
Identifier	
Text	
Alt Identifier	
Alt Text	
Original Text	
Observation Details	
Universal Service Identifier	Lipid 1996 panel in Serum or Plasma
Observation Date/Time	Tue May 31 12:35:51 GMT-08:00 2011
Observation end Date/Time	
Specimen Action Code	
Relevant Clinical Information	hyperlipidemia
Alt Relevant Clinical Information	hyperlipoproteinemia
Relevant Clinical Information Original Text	hyperlipoproteinemia
Observation Result Information	
Result Status	F
Results Report/Status Change - Date/Time	Sat Jun 11 14:04:28 GMT-08:00 2011
Results Copy To	
Name	Pafford Hamlin
Identifier	10092
Results Handling	
Standard	Blind Copy
Local	
Observation Notes	
Notes and comments	

Results Performing Laboratory

Element Name	Data
Laboratory Name	Century Hospital
Organization identifier	987
Address	2070 Test Park Los Angeles
Director Name	Dr. Phil Knowsalot
Director identifier	2343242

Specimen Information

Element Name	Data
Specimen Type	BLD
Alt Specimen Type	
Specimen Original Text	Blood
Start date/time	Tue May 31 12:35:51 GMT-08:00 2011
Specimen Reject Reason	
Alt Specimen Reject Reason	
Reject Reason Original Text	
Specimen Condition	
Alt Specimen Condition	
Condition Original Text	

Lab Results							
Observation	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Notes
Cholesterol [Mass/volume] in Serum or Plasma	196	mg/dL	Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240	N	F	Tue May 31 12:35:51 GMT-08:00 2011	
Triglyceride [Mass/volume] in Serum or Plasma	100	mg/dL	40 to 160	N	F	Tue May 31 12:35:51 GMT-08:00 2011	
Cholesterol in HDL [Mass/volume] in Serum or Plasma	60	mg/dL	29 to 72	N	F	Tue May 31 12:35:51 GMT-08:00 2011	
Cholesterol in LDL [Mass/volume] in Serum or Plasma	116	mg/dL	Recommended: <130; Moderate Risk: 130-159; High Risk: >160	N	F	Tue May 31 12:35:51 GMT-08:00 2011	

Message Content Data Sheet

Test Case Information

Typically Populated Lipid Panel message - Final Results	
Test Case ID	LRI_3.0-GU

MSH : Message Header Segment

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		
MSH.3.2	Universal ID	2.16.840.1.113883.3.72.5.20	Configurable Data
MSH.3.3	Universal ID Type	ISO	IG Fixed Data
MSH.4	Sending Facility		
MSH.4.1	Namespace ID		
MSH.4.2	Universal ID	2.16.840.1.113883.3.72.5.21	Configurable Data
MSH.4.3	Universal ID Type	ISO	IG Fixed Data
MSH.6	Receiving Facility		
MSH.6.1	Namespace ID		
MSH.6.2	Universal ID	2.16.840.1.113883.3.72.5.23	Configurable Data
MSH.6.3	Universal ID Type	ISO	IG Fixed Data
MSH.7	Date/Time Of Message		
MSH.7.1	Time	20110531140551-0500	System Generated
MSH.9	Message Type		
MSH.9.1	Message Code	ORU	IG Fixed Data

MSH.9.2	Event Type	R01	IG Fixed Data
MSH.9.3	Message Structure	ORU_R01	IG Fixed Data
MSH.10	Message Control ID	NIST-LRI-TC-GU-XXX.XX	System Generated
MSH.11	Processing ID		
MSH.11.1	Processing ID	T	Changeable Data
MSH.12	VersionID		
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	NE	IG Fixed Data
MSH.21[1]	Message Profile Identifier		
MSH.21[1].1	Entity Identifier	LRI_Common_Component	IG Fixed Data
MSH.21[1].2	Namespace ID		
MSH.21[1].3	Universal ID	2.16.840.1.113883.9.16	IG Fixed Data
MSH.21[1].4	Universal ID Type	ISO	IG Fixed Data
MSH.21[2]	Message Profile Identifier		
MSH.21[2].1	Entity Identifier	LRI_GU_Component	IG Fixed Data
MSH.21[2].2	Namespace ID		
MSH.21[2].3	Universal ID	2.16.840.1.113883.9.12	IG 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	LRI_RU_Component	IG Fixed Data
MSH.21[3].2	Namespace ID		
MSH.21[3].3	Universal ID	2.16.840.1.113883.9.14	IG Fixed Data
MSH.21[3].4	Universal ID Type	ISO	IG Fixed Data

PID : Patient Identifier Segment

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		
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	Configurable 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)		
PID.5.7	Name Type Code		
PID.7	Date/Time of Birth		
PID.7.1	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	Changeable Data
PID.10.4	Alternate Identifier		
PID.10.5	Alternate Text		
PID.10.6	Name of Alternate Coding System		

ORC : Order Common

Location	Data Element	Data	Categorization
ORC.1	Order Control	RE	Test Case Fixed Data
ORC.2	Placer Order Number		
ORC.2.1	Entity Identifier	ORD777888	Changeable Data
ORC.2.2	Namespace ID		
ORC.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.2.4	Universal ID Type	ISO	IG Fixed Data
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	R-220713	Changeable Data
ORC.3.2	Namespace ID		
ORC.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
ORC.3.4	Universal ID Type	ISO	IG Fixed Data
ORC.4	Placer Group Number		
ORC.4.1	Entity Identifier	GORD874244	Changeable Data
ORC.4.2	Namespace ID		
ORC.4.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.4.4	Universal ID Type	ISO	IG Fixed Data
ORC.12	Ordering Provider		
ORC.12.1	ID Number	57422	Changeable Data
ORC.12.2	Family Name		
ORC.12.2.1	Surname	Radon	Changeable Data
ORC.12.3	Given Name	Nicholas	Changeable Data
ORC.12.4	Second and Further Given Names or Initials Thereof		
ORC.12.5	Suffix (e.g., JR or III)		
ORC.12.6	Prefix (e.g., DR)		
ORC.12.9	Assigning Authority		
ORC.12.9.1	Namespace ID		
ORC.12.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable 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
ORC.31	Parent Universal Service Identifier		
ORC.31.1	Identifier		
ORC.31.2	Text		
ORC.31.3	Name of the Coding System		
ORC.31.4	Alternate Identifier		
ORC.31.5	Alternate Text		
ORC.31.6	Name of Alternate Coding System		
ORC.31.9	Original Text		

OBR : Observation Results Segment

Location	Data Element	Data	Categorization
OBR.1	Set ID - OBR	1	IG Fixed Data
OBR.2	Placer Order Number		
OBR.2.1	Entity Identifier	ORD777888	Changeable Data
OBR.2.2	Namespace ID		
OBR.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
OBR.2.4	Universal ID Type	ISO	Changeable Data
OBR.3	Filler Order Number		
OBR.3.1	Entity Identifier	R-220713	Changeable Data
OBR.3.2	Namespace ID		
OBR.3.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.3.4	Universal ID Type	ISO	Changeable Data
OBR.4	Universal Service Identifier		
OBR.4.1	Identifier	24331-1	Text Case Fixed Data
OBR.4.2	Text	Lipid 1996 panel in Serum or Plasma	Text Case Fixed Data
OBR.4.3	Name of Coding System	LN	Text Case Fixed Data
OBR.4.4	Alternate Identifier	345789	Changeable Data

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OBR.4.5	Alternate Text	Lipid Panel	Changeable Data
OBR.4.6	Name of Alternate Coding System	99USI	Changeable Data
OBR.4.9	Original Text	Lipid 1996 panel in Serum or Plasma	Changeable Data
OBR.7	Observation Date/Time		
OBR.7.1	Time	20110531123551-0800	Changeable Data
OBR.8	Observation End Date/Time		
OBR.8.1	Time		
OBR.11	Specimen Action Code		
OBR.13	Relevant Clinical Information		
OBR.13.1	Identifier	56388000	Changeable Data
OBR.13.2	Text	hyperlipidemia	Changeable Data
OBR.13.3	Name of the Coding System	99USI	Changeable Data
OBR.13.4	Alternate Identifier	3744001	Changeable Data
OBR.13.5	Alternate Text	hyperlipoproteinemia	Changeable Data
OBR.13.6	Name of Alternate Coding System	SCT	Changeable Data
OBR.13.9	Original Text	hyperlipoproteinemia	Changeable Data
OBR.16	Ordering Provider		
OBR.16.1	ID Number	57422	Changeable Data
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Radon	Changeable Data
OBR.16.3	Given Name	Nicholas	Changeable Data
OBR.16.4	Second and Further Given Names or Initials Thereof		
OBR.16.5	Suffix (e.g., JR or III)		
OBR.16.6	Prefix (e.g., DR)		
OBR.16.9	Assigning Authority		
OBR.16.9.1	Namespace ID		
OBR.16.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBR.16.9.3	Universal ID Type	ISO	Changeable Data
OBR.16.10	Name Type Code	L	Changeable Data
OBR.16.13	Identifier Type Code	NPI	Changeable Data

OBR.22	Results Rpt/Status Chng - Date/Time		
OBR.22.1	Time	20110611140428-0800	Changeable Data
OBR.25	Result Status	F	Test Case Fixed Data
OBR.26	Parent Result		
OBR.26.1	Parent Observation Identifier		
OBR.26.1.1	Identifier		
OBR.26.1.2	Text		
OBR.26.1.3	Name of the Coding System		
OBR.26.1.4	Alternate Identifier		
OBR.26.1.5	Alternate Text		
OBR.26.1.6	Name of Alternate Coding System		
OBR.26.1.9	Original Text		
OBR.26.2	Parent Observation Sub-Identifier		
OBR.28	Result Copies To		
OBR.28.1	ID Number	10092	Changeable Data
OBR.28.2	Family Name		
OBR.28.2.1	Surname	Hamlin	Changeable Data
OBR.28.3	Given Name	Pafford	Changeable Data
OBR.28.4	Second and Further Given Names or Initials Thereof		
OBR.28.5	Suffix (e.g., JR or III)		
OBR.28.6	Prefix (e.g., DR)		
OBR.28.9	Assigning Authority		
OBR.28.9.1	Namespace ID		
OBR.28.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBR.28.9.3	Universal ID Type	ISO	Changeable Data
OBR.28.10	Name Type Code	L	Changeable Data
OBR.28.13	Identifier Type Code	NPI	Changeable Data
OBR.29	Parent		
OBR.29.1	Placer Assigned Identifier		
OBR.29.1.1	Entity Identifier		

OBR.29.1.2	Namespace ID		
OBR.29.1.3	Universal ID		
OBR.29.1.4	Universal ID Type		
OBR.29.2	Filler Assigned Identifier		
OBR.29.2.1	Entity Identifier		
OBR.29.2.2	Namespace ID		
OBR.29.2.3	Universal ID		
OBR.29.2.4	Universal ID Type		
OBR.49	Results Handling		
OBR.49.1	Identifier	BCC	Changeable Data
OBR.49.2	Text	Blind Copy	Changeable Data
OBR.49.3	Name of the Coding System	HL70507	Changeable Data
OBR.49.4	Alternate Identifier		
OBR.49.5	Alternate Text		
OBR.49.6	Name of Alternate Coding System		
OBR.49.9	Original Text		
OBR.50	Parent Universal Service Identifier		
OBR.50.1	Identifier		
OBR.50.2	Text		
OBR.50.3	Name of the Coding System		
OBR.50.4	Alternate Identifier		
OBR.50.5	Alternate Text		
OBR.50.6	Name of Alternate Coding System		
OBR.50.9	Original Text		

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	1	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data

OBX.3	Observation Identifier		
OBX.3.1	Identifier	2093-3	Test Case Fixed Data
OBX.3.2	Text	Cholesterol [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.3.9	Original Text	Cholesterol [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.5	Observation Value	196	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	mg/dL	Changeable Data
OBX.6.2	Text	milligrams per deciliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.6.9	Original Text		
OBX.7	Reference Range	Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240	Changeable Data
OBX.8	Abnormal Flags	N	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20110531123551-0800	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	20110601130551-0800	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID		

OBX.23.6.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed Data
OBX.23.7	Identifier Type Code	XX	Changeable Data
OBX.23.10	Organization Identifier	987	Changeable Data
OBX.24	Performing Organization Address		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
OBX.24.2	Other Designation		
OBX.24.3	City	Los Angeles	Changeable Data
OBX.24.4	State or Province	CA	Changeable Data
OBX.24.5	Zip or Postal Code	90067	Changeable Data
OBX.24.6	Country		
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code		
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	2343242	Changeable Data
OBX.25.2	Family Name		
OBX.25.2.1	Surname	Knowsalot	Changeable Data
OBX.25.3	Given Name	Phil	Changeable Data
OBX.25.4	Second and Further Given Names or Initials Thereof		
OBX.25.5	Suffix (e.g., JR or III)		
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
OBX.25.9	Assigning Authority		
OBX.25.9.1	Namespace ID		
OBX.25.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	DN	Changeable Data

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	2	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	2571-8	Test Case Fixed Data
OBX.3.2	Text	Triglyceride [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.3.9	Original Text	Triglyceride [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.5	Observation Value	100	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	mg/dL	Changeable Data
OBX.6.2	Text	milligrams per deciliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.6.9	Original Text		
OBX.7	Reference Range	40 to 160	Changeable Data
OBX.8	Abnormal Flags	N	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20110531123551-0800	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	20110601130551-0800	Changeable Data

OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID		
OBX.23.6.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed Data
OBX.23.7	Identifier Type Code	XX	Changeable Data
OBX.23.10	Organization Identifier	987	Changeable Data
OBX.24	Performing Organization Address		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
OBX.24.2	Other Designation		
OBX.24.3	City	Los Angeles	Changeable Data
OBX.24.4	State or Province	CA	Changeable Data
OBX.24.5	Zip or Postal Code	90067	Changeable Data
OBX.24.6	Country		
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code		
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	2343242	Changeable Data
OBX.25.2	Family Name		
OBX.25.2.1	Surname	Knowsalot	Changeable Data
OBX.25.3	Given Name	Phil	Changeable Data
OBX.25.4	Second and Further Given Names or Initials Thereof		
OBX.25.5	Suffix (e.g., JR or III)		
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
OBX.25.9	Assigning Authority		
OBX.25.9.1	Namespace ID		
OBX.25.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data

OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	DN	Changeable Data

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	3	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	2085-9	Test Case Fixed Data
OBX.3.2	Text	Cholesterol in HDL [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.3.9	Original Text	Cholesterol in HDL [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.5	Observation Value	60	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	mg/dL	Changeable Data
OBX.6.2	Text	milligrams per deciliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		
OBX.6.9	Original Text		
OBX.7	Reference Range	29 to 72	Changeable Data
OBX.8	Abnormal Flags	N	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data

OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20110531123551-0800	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	20110601130551-0800	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID		
OBX.23.6.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed Data
OBX.23.7	Identifier Type Code	XX	Changeable Data
OBX.23.10	Organization Identifier	987	Changeable Data
OBX.24	Performing Organization Address		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
OBX.24.2	Other Designation		
OBX.24.3	City	Los Angeles	Changeable Data
OBX.24.4	State or Province	CA	Changeable Data
OBX.24.5	Zip or Postal Code	90067	Changeable Data
OBX.24.6	Country		
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code		
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	2343242	Changeable Data
OBX.25.2	Family Name		
OBX.25.2.1	Surname	Knowsalot	Changeable Data
OBX.25.3	Given Name	Phil	Changeable Data
OBX.25.4	Second and Further Given Names or Initials Thereof		
OBX.25.5	Suffix (e.g., JR or III)		
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data

OBX.25.9	Assigning Authority		
OBX.25.9.1	Namespace ID		
OBX.25.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	DN	Changeable Data

OBX : Observation Results Segment

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	4	IG Fixed Data
OBX.2	Value Type	NM	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	2089-1	Test Case Fixed Data
OBX.3.2	Text	Cholesterol in LDL [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier		
OBX.3.5	Alternate Text		
OBX.3.6	Name of Alternate Coding System		
OBX.3.9	Original Text	Cholesterol in LDL [Mass/volume] in Serum or Plasma	Test Case Fixed Data
OBX.4	Observation Sub-ID		
OBX.5	Observation Value	116	Test Case Fixed Data
OBX.6	Units		
OBX.6.1	Identifier	mg/dL	Changeable Data
OBX.6.2	Text	milligrams per deciliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier		
OBX.6.5	Alternate Text		
OBX.6.6	Name of Alternate Coding System		

OBX.6.9	Original Text		
OBX.7	Reference Range	Recommended: <130; Moderate Risk: 130-159; High Risk: >160	Changeable Data
OBX.8	Abnormal Flags	N	Test Case Fixed Data
OBX.11	Observation Result Status	F	Test Case Fixed Data
OBX.14	Date/Time of the Observation		
OBX.14.1	Time	20110531123551-0800	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	20110601130551-0800	Changeable Data
OBX.23	Performing Organization Name		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID		
OBX.23.6.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.23.6.3	Universal ID Type	ISO	IG Fixed Data
OBX.23.7	Identifier Type Code	XX	Changeable Data
OBX.23.10	Organization Identifier	987	Changeable Data
OBX.24	Performing Organization Address		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
OBX.24.2	Other Designation		
OBX.24.3	City	Los Angeles	Changeable Data
OBX.24.4	State or Province	CA	Changeable Data
OBX.24.5	Zip or Postal Code	90067	Changeable Data
OBX.24.6	Country		
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code		
OBX.25	Performing Organization Medical Director		
OBX.25.1	ID Number	2343242	Changeable Data
OBX.25.2	Family Name		
OBX.25.2.1	Surname	Knowsalot	Changeable Data

OBX.25.3	Given Name	Phil	Changeable Data
OBX.25.4	Second and Further Given Names or Initials Thereof		
OBX.25.5	Suffix (e.g., JR or III)		
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
OBX.25.9	Assigning Authority		
OBX.25.9.1	Namespace ID		
OBX.25.9.2	Universal ID	2.16.840.1.113883.3.72.5.30.1	Changeable Data
OBX.25.9.3	Universal ID Type	ISO	IG Fixed Data
OBX.25.10	Name Type Code	L	Changeable Data
OBX.25.13	Identifier Type Code	DN	Changeable Data

SPM : Specimen Segment

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	1	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.1	Identifier	119297000	Changeable Data
SPM.4.2	Text	BLD	Changeable Data
SPM.4.3	Name of the Coding System	SCT	Changeable Data
SPM.4.4	Alternate Identifier		
SPM.4.5	Alternate Text		
SPM.4.6	Name of Alternate Coding System		
SPM.4.9	Original Text	Blood	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Time	20110531123551-0800	Changeable Data
SPM.17.2	Range End Date/Time		
SPM.17.2.1	Time		
SPM.21	Specimen Reject Reason		
SPM.21.1	Identifier		
SPM.21.2	Text		
SPM.21.3	Name of the Coding System		
SPM.21.4	Alternate Identifier		
SPM.21.5	Alternate Text		
SPM.21.6	Name of Alternate Coding System		
SPM.21.9	Original Text		
SPM.24	Specimen Condition		
SPM.24.1	Identifier		
SPM.24.2	Text		
SPM.24.3	Name of the Coding System		
SPM.24.4	Alternate Identifier		
SPM.24.5	Alternate Text		
SPM.24.6	Name of Alternate Coding System		
SPM.24.9	Original Text		

HL7 Message

MSH|^~\&|^2.16.840.1.113883.3.72.5.20^ISO|^2.16.840.1.113883.3.72.5.21^ISO|^2.16.840.1.113883.3.72.5.23^ISO|20110531140551-0500||ORU^R01^ORU_R01|NIST-LRI-GU-003.00|T|2.5.1||AL|NE||||LRI_Common_Component^^2.16.840.1.113883.9.16^ISO~LRI_GU_Component^^2.16.840.1.113883.9.12^ISO~LRI_RU_Component^^2.16.840.1.113883.9.14^ISO

PID|1||PATID1234^^&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Jones^William^A||19610615|M||2106-3^White^HL70005

ORC|RE|ORD777888^^2.16.840.1.113883.3.72.5.24^ISO|R-220713^^2.16.840.1.113883.3.72.5.25^ISO|GORD874244^^2.16.840.1.113883.3.72.5.24^ISO|||||57422^Radon^Nicholas^^^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^NPI

OBR|1|ORD777888^^2.16.840.1.113883.3.72.5.24^ISO|R-220713^^2.16.840.1.113883.3.72.5.25^ISO|24331-1^Lipid 1996 panel in Serum or Plasma^LN^345789^Lipid Panel^99USI^^Lipid 1996 panel in Serum or Plasma||20110531123551-0800|||||56388000^hyperlipidemia^99USI^3744001^hyperlipoproteinemia^SCT^^hyperlipoproteinemia||57422^Radon^Nicholas^^^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^NPI|||||20110611140428-0800||F||10092^Hamlin^Pafford^^^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^NPI|||||BCC^Blind Copy^HL70507

OBX|1|NM|2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN^^^^^Cholesterol [Mass/volume] in Serum or Plasma||196|mg/dL^milligrams per deciliter^UCUM|Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240|N||F||20110531123551-0800|||||20110601130551-0800|||Century Hospital^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^XX^^987|2070 Test Park^^Los Angeles^CA^90067^^B|2343242^Knowsalot^Phil^^Dr.^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^DN

OBX|2|NM|2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN^^^^^Triglyceride [Mass/volume] in Serum or Plasma||100|mg/dL^milligrams per deciliter^UCUM|40 to 160|N||F||20110531123551-0800|||||20110601130551-0800|||Century Hospital^^&2.16.840.1.113883.3.72.5.30.1&ISO^XX^^987|2070 Test Park^^Los Angeles^CA^90067^^B|2343242^Knowsalot^Phil^^Dr.^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^DN

OBX|3|NM|2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN^^^^^Cholesterol in HDL [Mass/volume] in Serum or Plasma||60|mg/dL^milligrams per deciliter^UCUM|29 to 72|N||F||20110531123551-0800|||||20110601130551-0800|||Century Hospital^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^XX^^987|2070 Test Park^^Los Angeles^CA^90067^^B|2343242^Knowsalot^Phil^^Dr.^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^DN

OBX|4|NM|2089-1^Cholesterol in LDL [Mass/volume] in Serum or Plasma^LN^^^^^Cholesterol in LDL [Mass/volume] in Serum or Plasma||116|mg/dL^milligrams per deciliter^UCUM|Recommended: <130; Moderate Risk: 130-159; High Risk: >160|N||F||20110531123551-0800|||||20110601130551-0800|||Century Hospital^^^^&2.16.840.1.113883.3.72.5.30.1&ISO^XX^^987|2070 Test Park^^Los Angeles^CA^90067^^B|2343242^Knowsalot^Phil^^Dr.^^&2.16.840.1.113883.3.72.5.30.1&ISO^L^^DN

SPM|1||119297000^BLD^SCT^^^^^Blood|||||20110531123551-0800