

### Description

A patient is hospitalized for substance abuse. The physician orders a hepatitis panel through the hospital's EHR system to test for Hepatitis A, B and C antibodies/antigens. The serum specimen is collected the same day at in the morning and submitted to the hospital lab for testing via their LIS right after it was drawn. A few hours later the patient's test results are as follows:

- (1)Hepatitis A IgM antibodies (IgM anti-HAV) "Negative"
- (2)Hepatitis A antibodies (anti-HAV) "Negative"
- (3)Hepatitis B core antibodies (anti-HBVC) "Negative"
- (4)Hepatitis B core antibodies (anti-HBVC) quantitative 0.40 IU/mL (reference range: <0.50 IU/mL)
- (5)Hepatitis B virus e antibodies (anti-HBVe) "Negative"
- (6)Hepatitis B surface antigen (HBVsAg) "Negative"
- (7)Hepatitis B surface antibody (anti-HBVs) "Negative"
- (8)Hepatitis C antibody screen (anti-HCV) "Positive"
- (9)Hepatitis C antibodies Signal to Cut-off Ratio 10.8 s/co (reference range: 0.0-0.9 s/co)

Per CDC recommendations, a confirmatory Hepatitis C RNA PCR test is performed because of the positive Anti-HCV findings. The next day, the Hepatitis C RNA PCR test results confirm the patient is positive for hepatitis, with a value of 761120 IU/ml (reference range: < 43). The Hepatitis C results trigger an Abnormal Flag or "High", as well as the comment:

"Negative: < 0.8, Indeterminate 0.8 - 0.9, Positive: > 0.9. In order to reduce the incidence of a false positive result, the CDC recommends that all s/co ratios between 1.0 and 10.9 be confirmed with additional Verification or PCR testing."

The final report is completed on that day and sent to the ordering provider.

### Comments

This is the reflex message and this test case is evaluating correct use of the status codes in OBR-25 and OBX-11.

Special case test aspects include ensuring that the system can correctly populate the data elements for linking parent/child results in accordance with the requirements specified in the implementation guide for the FRN and FRU profiles.

### PreCondition

LRI\_5.0\_1.1-GU\_FRU has been previously sent.

### PostCondition

No Post Condition.

### TestObjectives

- Demonstrate the capability to create a valid Parent-Child message for a Hepatitis-Reflex lab result message.
- Tests support for multiple comments for one test result.

## Test Case Information

## LRI\_5.0\_2.1-GU\_FRU - Reflex - Hepatitis

Test Case ID

LRI\_5.0\_2.1-GU\_FRU

## 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	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.4.2	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.6.2	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	20150926160001	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	LRI_5.0_2.1-GU_FRU	System Generated
MSH.11	Processing ID		
MSH.11.1	Processing ID	D	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	AL	IG Fixed Data
MSH.21	Message Profile Identifier		
MSH.21.1	Entity Identifier	LRI_Common_Component	IG Fixed Data
MSH.21.3	Universal ID	2.16.840.1.113883.9.16	IG Fixed Data
MSH.21.4	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].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	LAB_FRU_Component	IG Fixed Data
MSH.21[3].3	Universal ID	2.16.840.1.113883.9.83	IG 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	PATID1239	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	Configurable Data
PID.5	Patient Name		
PID.5.1	Family Name		
PID.5.1.1	Surname	Smirnoff	Changeable Data

<b>PID.5.2</b>	<b>Location</b>	<b>Data Element</b>	<b>Peggy</b>	<b>Data</b>	<b>Changeable Data</b>	<b>Categorization</b>
PID.5.7	Name Type Code	L			Changeable Data	
<b>PID.7</b>	<b>Date/Time of Birth</b>					
PID.7.1	Time	19750401			Changeable Data	
<b>PID.8</b>	<b>Administrative Sex</b>	F			Changeable Data	
<b>PID.10</b>	<b>Race</b>					
PID.10.1	Identifier	2106-3			Changeable Data	
PID.10.2	Text	White			Changeable Data	
PID.10.3	Name of the Coding System	HL70005			Changeable Data	
<b>PID.18</b>	<b>Patient Account Number</b>					
PID.18.1	ID Number	PATID1239			Configurable Data	
PID.18.4	Assigning Authority					
PID.18.4.2	Universal ID	2.16.840.1.113883.3.72.5.30.2			Configurable Data	
PID.18.4.3	Universal ID Type	ISO			IG Fixed Data	
PID.18.5	Identifier Type Code	AN			Configurable Data	

#### ORC

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
<b>ORC.1</b>	<b>Order Control</b>	RE	Test Case Fixed Data
<b>ORC.2</b>	<b>Placer Order Number</b>		
ORC.2.1	Entity Identifier	ORD448811	Changeable Data
ORC.2.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
ORC.2.4	Universal ID Type	ISO	Changeable Data
<b>ORC.3</b>	<b>Filler Order Number</b>		
ORC.3.1	Entity Identifier	R-511	Changeable Data
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
<b>ORC.12</b>	<b>Ordering Provider</b>		
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.12.6	Prefix (e.g., DR)	DR	Changeable Data
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	Changeable Data
ORC.12.10	Name Type Code	L	Changeable Data
ORC.12.13	Identifier Type Code	NPI	Changeable Data

#### OBR

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
<b>OBR.1</b>	<b>Set ID - OBR</b>	1	IG Fixed Data
<b>OBR.2</b>	<b>Placer Order Number</b>		
OBR.2.1	Entity Identifier	ORD448811	Changeable Data
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
<b>OBR.3</b>	<b>Filler Order Number</b>		
OBR.3.1	Entity Identifier	R-511	Changeable Data
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
<b>OBR.4</b>	<b>Universal Service Identifier</b>		
OBR.4.1	Identifier	HepABC Panel	Changeable Data
OBR.4.2	Text	Hepatitis A B C Panel	Changeable Data
OBR.4.3	Name of Coding System	L	Changeable Data
<b>OBR.7</b>	<b>Observation Date/Time</b>		
OBR.7.1	Time	20150925	Changeable Data
<b>OBR.16</b>	<b>Ordering Provider</b>		

<b>OBR.16.1</b>	<b>ID Number</b>	<b>5742200012</b>	<b>Changeable Data</b>
<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
OBR.16.2	Family Name		
OBR.16.2.1	Surname	Radon	Changeable Data
OBR.16.3	Given Name	Nicholas	Changeable Data
OBR.16.6	Prefix (e.g., DR)	DR	Changeable Data
OBR.16.9	Assigning Authority		
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	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
<b>OBR.22</b>	<b>Results Rpt/Status Chng - Date/Time</b>		
OBR.22.1	Time	20150926140500-0800	Changeable Data
<b>OBR.25</b>	<b>Result Status</b>	F	Test Case Fixed Data

OBX

<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
<b>OBX.1</b>	<b>Set ID - OBX</b>	1	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	22314-9	Test Case Fixed Data
OBX.3.2	Text	Hepatitis A virus IgM Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HAVM	Changeable Data
OBX.3.5	Alternate Text	Hepatitis A IgM antibodies (IgM anti-HAV)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
OBX.24.3	City	Los Angeles	Changeable Data
OBX.24.4	State or Province	CA	Changeable Data

OBX.24.5 Location	Zip or Postal Code Data Element	90067 Data	Changeable Data Categorization
OBX.24.6	Country	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

#### OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	2	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	20575-7	Test Case Fixed Data
OBX.3.2	Text	Hepatitis A virus Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HAVAB	Changeable Data
OBX.3.5	Alternate Text	Hepatitis A antibodies (anti-HAV)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data

OBX.24.7 Location	Address Type Data Element	B Data	Changeable Data Categorization
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	3	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	16933-4	Test Case Fixed Data
OBX.3.2	Text	Hepatitis B virus core Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HBVcAB	Changeable Data
OBX.3.5	Alternate Text	Hepatitis B core antibodies (anti-HBVc)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data

OBX.24.9 Location	County/Parish Code Data Element	06037 Data	Changeable Data Categorization
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	4	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	SN	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	22316-4	Test Case Fixed Data
OBX.3.2	Text	Hepatitis B virus core Ab [Units/volume] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HBcAbQ	Changeable Data
OBX.3.5	Alternate Text	Hepatitis B core antibodies (anti-HBVC) Quant	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.2	Num1	0.40	Test Case Fixed Data
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier	[IU]/mL	Changeable Data
OBX.6.2	Text	international unit per milliliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier	IU/ml	Changeable Data
OBX.6.6	Name of Alternate Coding System	L	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	<0.50 IU/mL	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data



Location	Performing Organization Medical Director	Data Element	Data	Categorization
OBX.25				
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	J.		Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.		Changeable Data
OBX.29	Observation Type	RSLT		Test Case Fixed Data

#### OBX

Location	Data Element	Data	Categorization
OBX.1	Set ID - OBX	5	IG Fixed Data
OBX.2	Value Type	CWE	Test Case Fixed Data
OBX.3	Observation Identifier		
OBX.3.1	Identifier	22320-6	Test Case Fixed Data
OBX.3.2	Text	Hepatitis B virus e Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HBVeAB	Changeable Data
OBX.3.5	Alternate Text	Hepatitis B e antibodies (anti-HBVe)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
OBX.5	Observation Value		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
OBX.7	Reference Range	Negative	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	20150925	Changeable Data
OBX.19	Date/Time of the Analysis		
OBX.19.1	Time	201509261400	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	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	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.24.3	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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
OBX.25	Performing Organization Medical Director		



OBX.25.2 Location	Family Name Data Element	Data	Categorization
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	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	6	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	5195-3	Test Case Fixed Data
OBX.3.2	Text	Hepatitis B virus surface Ag [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HBVsAG	Changeable Data
OBX.3.5	Alternate Text	Hepatitis B surface antigen (HBsAg)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
OBX.25.2	Family Name		

OBX.25.2.1 Location	Surname Data Element	Knowsalot Data	Changeable Data Categorization
OBX.25.3	Given Name	Phil	Changeable Data
OBX.25.4	Second and Further Given Names or Initials Thereof	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	7	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	22322-2	Test Case Fixed Data
OBX.3.2	Text	Hepatitis B virus surface Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HBVSAB	Changeable Data
OBX.3.5	Alternate Text	Hepatitis B surface antibody (anti-HBVs)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	260385009	Test Case Fixed Data
OBX.5.2	Text	Negative (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	NEG	Changeable Data
OBX.5.5	Alternate Text	NEGATIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Negative (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	N	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
OBX.25.2	Family Name		
OBX.25.2.1	Surname	Knowsalot	Changeable Data

OBX.25.2 Location	Given Name Data Element	Phil Data	Changeable Data Categorization
OBX.25.4	Second and Further Given Names or Initials Thereof	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data

## OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	8	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	CWE	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	16128-1	Test Case Fixed Data
OBX.3.2	Text	Hepatitis C virus Ab [Presence] in Serum	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HCVAB	Changeable Data
OBX.3.5	Alternate Text	Hepatitis C antibody screen (anti-HCV)	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.1	Identifier	10828004	Test Case Fixed Data
OBX.5.2	Text	Positive (qualifier value)	Test Case Fixed Data
OBX.5.3	Name of the Coding System	SCT	Test Case Fixed Data
OBX.5.4	Alternate Identifier	POS	Changeable Data
OBX.5.5	Alternate Text	POSITIVE	Changeable Data
OBX.5.6	Name of Alternate Coding System	L	Changeable Data
OBX.5.7	Coding System Version	201509USED	Changeable Data
OBX.5.9	Original Text	Positive (qualifier value)	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	Negative	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	A	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data

Location	Initials Thereof	Data Element	Data	Categorization
OBX.25.6	Prefix (e.g., DR)		Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>		RSLT	Test Case Fixed Data

## OBX

Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	9	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	SN	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	48159-8	Test Case Fixed Data
OBX.3.2	Text	Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HCVSCO	Changeable Data
OBX.3.5	Alternate Text	Hepatitis C antibodies Signal to Cut-off Ratio	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.2	Num1	10.8	Test Case Fixed Data
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier	{s_co_ratio}	Changeable Data
OBX.6.2	Text	Signal to cutoff ratio	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier	s/co	Changeable Data
OBX.6.6	Name of Alternate Coding System	L	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	0.0-0.9 s/co	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	H	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	201509261400	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data

Location	Data Element	Data	Categorization
OBX.29	Observation Type	RSLT	Test Case Fixed Data

#### NTE

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	1	IG Fixed Data
NTE.3	Comment	Negative: < 0.8; Indeterminate 0.8 - 0.9; Positive: > 0.9	Changeable Data

#### NTE

Location	Data Element	Data	Categorization
NTE.1	Set ID - NTE	2	IG Fixed Data
NTE.3	Comment	In order to reduce the incidence of a false positive result, the CDC recommends that all s/co ratios between 1.0 and 10.9 be confirmed with additional Verification or PCR testing.	Changeable Data

#### SPM

Location	Data Element	Data	Categorization
SPM.1	Set ID - SPM	1	IG Fixed Data
SPM.2	Specimen ID		
SPM.2.1			
SPM.2.1.1		S-2015-666666	Configurable Data
SPM.2.1.3		2.16.840.1.113883.3.72.5.24	Configurable Data
SPM.2.1.4		ISO	Changeable Data
SPM.2.2			
SPM.2.2.1		S-991133	Changeable Data
SPM.2.2.3		2.16.840.1.113883.3.72.5.25	Changeable Data
SPM.2.2.4		ISO	IG Fixed Data
SPM.4	Specimen Type		
SPM.4.1	Identifier	119364003	Changeable Data
SPM.4.2	Text	Serum specimen (specimen)	Changeable Data
SPM.4.3	Name of the Coding System	SCT	Changeable Data
SPM.4.4	Alternate Identifier	SER	Changeable Data
SPM.4.5	Alternate Text	Serum	Changeable Data
SPM.4.6	Name of Alternate Coding System	L	Changeable Data
SPM.4.7	Coding System Version	201509USED	Changeable Data
SPM.17	Specimen Collection Date/Time		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Time	20150925	Changeable Data

#### ORC

Location	Data Element	Data	Categorization
ORC.1	Order Control	RE	Test Case Fixed Data
ORC.3	Filler Order Number		
ORC.3.1	Entity Identifier	R-512	Changeable Data
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.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.12.6	Prefix (e.g., DR)	DR	Changeable Data
ORC.12.9	Assigning Authority		
ORC.12.9.2	Universal ID	2.16.840.1.113883.4.6	Changeable Data
ORC.12.9.3	Universal ID Type	ISO	Changeable Data

ORC.12.10	Name Type Code	L	Changeable Data
<b>Location</b>	<b>Data Element</b>	<b>Data</b>	<b>Categorization</b>
ORC.12.13	Identifier Type Code	NPI	Changeable Data

# OBR

Location	Data Element	Data	Categorization
<b>OBR.1</b>	<b>Set ID - OBR</b>	2	IG Fixed Data
<b>OBR.3</b>	<b>Filler Order Number</b>		
OBR.3.1	Entity Identifier	R-512	Changeable Data
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
<b>OBR.4</b>	<b>Universal Service Identifier</b>		
OBR.4.1	Identifier	11011-4	Test Case Fixed Data
OBR.4.2	Text	Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method	Test Case Fixed Data
OBR.4.3	Name of Coding System	LN	Test Case Fixed Data
OBR.4.4	Alternate Identifier	HCVRNA	Changeable Data
OBR.4.5	Alternate Text	Hepatitis C RNA PCR	Changeable Data
OBR.4.6	Name of Alternate Coding System	L	Changeable Data
OBR.4.7	Coding System Version	2.52	Changeable Data
<b>OBR.7</b>	<b>Observation Date/Time</b>		
OBR.7.1	Time	20150925	Changeable Data
<b>OBR.11</b>	<b>Specimen Action Code</b>	G	Test Case Fixed Data
<b>OBR.16</b>	<b>Ordering Provider</b>		
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.16.6	Prefix (e.g., DR)	DR	Changeable Data
OBR.16.9	Assigning Authority		
OBR.16.9.2	Universal ID	2.16.840.1.113883.4.6	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
<b>OBR.22</b>	<b>Results Rpt/Status Chng - Date/Time</b>		
OBR.22.1	Time	20150929102500	Changeable Data
<b>OBR.25</b>	<b>Result Status</b>	F	Test Case Fixed Data
<b>OBR.26</b>	<b>Parent Result</b>		
OBR.26.1	Parent Observation Identifier		
OBR.26.1.1	Identifier	48159-8	Test Case Fixed Data
OBR.26.1.2	Text	Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay	Test Case Fixed Data
OBR.26.1.3	Name of the Coding System	LN	Test Case Fixed Data
OBR.26.1.4	Alternate Identifier	HCVSCO	Changeable Data
OBR.26.1.5	Alternate Text	Hepatitis C antibodies Signal to Cut-off Ratio	Changeable Data
OBR.26.1.6	Name of Alternate Coding System	L	Changeable Data
OBR.26.1.7	Coding System Version	2.52	Changeable Data
<b>OBR.29</b>	<b>Parent</b>		
OBR.29.1	Placer Assigned Identifier		
OBR.29.1.1	Entity Identifier	ORD448811	Changeable Data
OBR.29.1.3	Universal ID	2.16.840.1.113883.3.72.5.24	Changeable Data
OBR.29.1.4	Universal ID Type	ISO	Changeable Data
OBR.29.2	Filler Assigned Identifier		
OBR.29.2.1	Entity Identifier	R-511	Changeable Data
OBR.29.2.3	Universal ID	2.16.840.1.113883.3.72.5.25	Changeable Data
OBR.29.2.4	Universal ID Type	ISO	Changeable Data

# OBR



Location	Data Element	Data	Categorization
<b>OBX.1</b>	<b>Set ID - OBX</b>	1	IG Fixed Data
<b>OBX.2</b>	<b>Value Type</b>	SN	Test Case Fixed Data
<b>OBX.3</b>	<b>Observation Identifier</b>		
OBX.3.1	Identifier	11011-4	Test Case Fixed Data
OBX.3.2	Text	Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method	Test Case Fixed Data
OBX.3.3	Name of the Coding System	LN	Test Case Fixed Data
OBX.3.4	Alternate Identifier	HCVRNA	Changeable Data
OBX.3.5	Alternate Text	Hepatitis C RNA PCR	Changeable Data
OBX.3.6	Name of Alternate Coding System	L	Changeable Data
OBX.3.7	Coding System Version	2.52	Changeable Data
<b>OBX.5</b>	<b>Observation Value</b>		
OBX.5.2	Num1	7611200	Test Case Fixed Data
<b>OBX.6</b>	<b>Units</b>		
OBX.6.1	Identifier	[IU]/mL	Changeable Data
OBX.6.2	Text	international unit per milliliter	Changeable Data
OBX.6.3	Name of the Coding System	UCUM	Changeable Data
OBX.6.4	Alternate Identifier	IU/ml	Changeable Data
OBX.6.6	Name of Alternate Coding System	L	Changeable Data
OBX.6.7	Coding System Version	1.9	Changeable Data
<b>OBX.7</b>	<b>Reference Range</b>	<43 IU/mL	Changeable Data
<b>OBX.8</b>	<b>Abnormal Flags</b>	H	Test Case Fixed Data
<b>OBX.11</b>	<b>Observation Result Status</b>	F	Test Case Fixed Data
<b>OBX.14</b>	<b>Date/Time of the Observation</b>		
OBX.14.1	Time	20150925	Changeable Data
<b>OBX.19</b>	<b>Date/Time of the Analysis</b>		
OBX.19.1	Time	20120629092700	Changeable Data
<b>OBX.23</b>	<b>Performing Organization Name</b>		
OBX.23.1	Organization Name	Century Hospital	Changeable Data
OBX.23.6	Assigning Authority		
OBX.23.6.1	Namespace ID	CLIA	Changeable Data
OBX.23.6.2	Universal ID	2.16.840.1.113883.4.7	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	24D9871327	Changeable Data
<b>OBX.24</b>	<b>Performing Organization Address</b>		
OBX.24.1	Street Address		
OBX.24.1.1	Street or Mailing Address	2070 Test Park	Changeable Data
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	USA	Changeable Data
OBX.24.7	Address Type	B	Changeable Data
OBX.24.9	County/Parish Code	06037	Changeable Data
<b>OBX.25</b>	<b>Performing Organization Medical Director</b>		
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	J.	Changeable Data
OBX.25.6	Prefix (e.g., DR)	Dr.	Changeable Data
<b>OBX.29</b>	<b>Observation Type</b>	RSLT	Test Case Fixed Data



## SPM

Location	Data Element	Data	Categorization
<b>SPM.1</b>	<b>Set ID - SPM</b>	1	IG Fixed Data
<b>SPM.2</b>	<b>Specimen ID</b>		
SPM.2.1			
SPM.2.1.1		S-2015-666666	Configurable Data
SPM.2.1.3		2.16.840.1.113883.3.72.5.24	Configurable Data
SPM.2.1.4		ISO	Changeable Data
SPM.2.2			
SPM.2.2.1		S-991133	Changeable Data
SPM.2.2.3		2.16.840.1.113883.3.72.5.25	Changeable Data
SPM.2.2.4		ISO	IG Fixed Data
<b>SPM.4</b>	<b>Specimen Type</b>		
SPM.4.1	Identifier	119364003	Changeable Data
SPM.4.2	Text	Serum specimen (specimen)	Changeable Data
SPM.4.3	Name of the Coding System	SCT	Changeable Data
SPM.4.4	Alternate Identifier	SER	Changeable Data
SPM.4.5	Alternate Text	Serum	Changeable Data
SPM.4.6	Name of Alternate Coding System	L	Changeable Data
SPM.4.7	Coding System Version	201509USEd	Changeable Data
<b>SPM.17</b>	<b>Specimen Collection Date/Time</b>		
SPM.17.1	Range Start Date/Time		
SPM.17.1.1	Time	20150925	Changeable Data

**Patient Information**

Element	Data
Name	Peggy Smirnoff
Date/Time of Birth	04/01/1975
Administrative Sex	Female
Race	White
Alt Race	

**Order Observation[\*]****Order Observation****Ordering Provider**

Element	Data
Name	DR Nicholas Radon
Identifier number	5742200012

**Observation Details**

Element	Data
Observation General Information	
Placer Order Number	ORD448811
Filler Order Number	R-511
Placer Group Number	
Parent Universal Service Identifier	
Identifier	
Text	
Alt Identifier	
Alt Text	
Original Text	
Observation Details	
Universal Service Identifier	Hepatitis A B C Panel
Observation Date/Time	09/25/2015
Observation end Date/Time	
Specimen Action Code	
Relevant Clinical Information	
Relevant Clinical Information Original Text	
Observation Result Information	
Result Status	F
Results Report/Status Change - Date/Time	09/26/2015 2:05 PM
Results Handling	
Standard	
Observation Notes	

**Timing/Quantity Information**

Element	Data
Priority	
Start Date/time	

End Date/time	
---------------	--

### Results Performing Laboratory

Element	Data
Laboratory Name	Century Hospital
Organization identifier	24D9871327
Address	2070 Test Park Los Angeles CA 90067 USA
Director Name	Dr. Phil J. Knowsalot
Director identifier	

### Specimen Information

Element	Data
Specimen Type	Serum specimen (specimen)
Alt Specimen Type	Serum
Specimen Original Text	
Start date/time	20150925

### Lab results

Element		Data						
Test performed		Hepatitis A B C Panel						
Test Report date		09/26/2015 14:05						
Result Observation Name	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Date/Time of Analysis	Notes
Hepatitis A virus IgM Ab [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis A virus Ab [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis B virus core Ab [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis B virus core Ab [Units/volume] in Serum	0.40	international unit per milliliter	<0.50 IU/mL	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis B virus e Ab [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis B virus surface Ag [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	

Hepatitis B virus surface Ab [Presence] in Serum	Negative (qualifier value)		Negative	N	F	09/25/2015	09/26/2015 14:00	
Hepatitis C virus Ab [Presence] in Serum	Positive (qualifier value)		Negative	A	F	09/25/2015	09/26/2015 14:00	
Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay	10.8	Signal to cutoff ratio	0.0-0.9 s/co	H	F	09/25/2015	09/26/2015 14:00	Negative: < 0.8; Indeterminate 0.8 - 0.9; Positive: > 0.9 In order to reduce the incidence of a false positive result, the CDC recommends that all s/co ratios between 1.0 and 10.9 be confirmed with additional Verification or PCR testing.

#### Order Observation

#### Ordering Provider

Element	Data
Name	DR Nicholas Radon
Identifier number	5742200012

#### Observation Details

Element	Data
Observation General Information	
Placer Order Number	
Filler Order Number	R-512
Placer Group Number	
Parent Universal Service Identifier	
Identifier	
Text	
Alt Identifier	
Alt Text	
Original Text	
Observation Details	
Universal Service Identifier	Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method
Observation Date/Time	09/25/2015

Observation end Date/Time	
Specimen Action Code	G
Relevant Clinical Information	
Relevant Clinical Information Original Text	
Observation Result Information	
Result Status	F
Results Report/Status Change - Date/Time	09/29/2015 10:25 AM
Results Handling	
Standard	
Observation Notes	

### Timing/Quantity Information

Element	Data
Priority	
Start Date/time	
End Date/time	

### Results Performing Laboratory

Element	Data
Laboratory Name	Century Hospital
Organization identifier	24D9871327
Address	2070 Test Park Los Angeles CA 90067 USA
Director Name	Dr. Phil J. Knowsalot
Director identifier	

### Specimen Information

Element	Data
Specimen Type	Serum specimen (specimen)
Alt Specimen Type	Serum
Specimen Original Text	
Start date/time	20150925

### Lab results

Element				Data				
Test performed				Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method				
Test Report date				09/29/2015 10:25				
Result Observation Name	Result	UOM	Range	Abnormal Flag	Status	Date/Time of Observation	Date/Time of Analysis	Notes
Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method	7611200	international unit per milliliter	<43 IU/mL	H	F	09/25/2015	06/29/2012 09:27	



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|20150926160001||ORU^R01^ORU\_R01|LRI\_5.0\_2.1-

GU\_FRU|D|2.5.1|||AL|AL|||LRI\_Common\_Component^^2.16.840.1.113883.9.16^ISO~LRI\_GU\_Component^^2.16.840.1.113883.9.12^ISO~LAB\_FRU\_Component^^2.16.840.1.113883.9.83^ISO

PID|1|PATID1239^^&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Smirnoff^Peggy^^^^L|19750401|F||2106-3^White^HL70005|||||PATID1239^^&2.16.840.1.113883.3.72.5.30.2&ISO^AN

ORC|RE|ORD448811^^2.16.840.1.113883.3.72.5.24^ISO|R-511^^2.16.840.1.113883.3.72.5.25^ISO||||||5742200012^Radon^Nicholas^^DR^^&2.16.840.1.113883.4.6&ISO^L^^NPI

OBR|1|ORD448811^^2.16.840.1.113883.3.72.5.24^ISO|R-511^^2.16.840.1.113883.3.72.5.25^ISO|HepABC Panel^Hepatitis A B C Panel^L||20150925||||||5742200012^Radon^Nicholas^^DR^^&2.16.840.1.113883.4.6&ISO^L^^NPI|||||20150926140500-0800||F

OBX|1|CWE|22314-9^Hepatitis A virus IgM Ab [Presence] in Serum^LN^HAVM^Hepatitis A IgM antibodies (IgM anti-HAV)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|2|CWE|20575-7^Hepatitis A virus Ab [Presence] in Serum^LN^HAVAB^Hepatitis A antibodies (anti-HAV)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USAB^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|3|CWE|16933-4^Hepatitis B virus core Ab [Presence] in Serum^LN^HBVcAB^Hepatitis B core antibodies (anti-HBVc)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|4|SN|22316-4^Hepatitis B virus core Ab [Units/volume] in Serum^LN^HBcAbQ^Hepatitis B core antibodies (anti-HBVc) Quant^L^2.52||^0.40|[IU]/mL^international unit per milliliter^UCUM^IU/mL^L^1.9|<0.50 IU/mL|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|5|CWE|22320-6^Hepatitis B virus e Ab [Presence] in Serum^LN^HBVeAB^Hepatitis B e antibodies (anti-HBVe)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|6|CWE|5195-3^Hepatitis B virus surface Ag [Presence] in Serum^LN^HBVsAG^Hepatitis B surface antigen (HBsAg)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|7|CWE|22322-2^Hepatitis B virus surface Ab [Presence] in Serum^LN^HBVSAB^Hepatitis B surface antibody (anti-HBVs)^L^2.52||260385009^Negative (qualifier value)^SCT^NEG^NEGATIVE^L^201509USED^^Negative (qualifier value)||Negative|N||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|8|CWE|16128-1^Hepatitis C virus Ab [Presence] in Serum^LN^HCVAB^Hepatitis C antibody screen (anti-HCV)^L^2.52||10828004^Positive (qualifier value)^SCT^POS^POSITIVE^L^201509USED^^Positive (qualifier value)||Negative|A||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

OBX|9|SN|48159-8^Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay^LN^HCVSCO^Hepatitis C antibodies Signal to Cut-off Ratio^L^2.52||^10.8|{s\_co\_ratio}^Signal to cutoff ratio^UCUM^s/co^L^1.9|0.0-0.9 s/co|H||F||20150925|||||201509261400||||Century Hospital^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

NTE|1||Negative: < 0.8; Indeterminate 0.8 - 0.9; Positive: > 0.9

NTE|2||In order to reduce the incidence of a false positive result, the CDC recommends that all s/co ratios between 1.0 and 10.9 be confirmed with additional Verification or PCR testing.

SPM|1|S-2015-666666&&2.16.840.1.113883.3.72.5.24&ISO^S-991133&&2.16.840.1.113883.3.72.5.25&ISO||119364003^Serum



specime

n(specimen)^SCT^SER^Serum^L^201509USED|||||||20150925

ORC|RE|R-512^^2.16.840.1.113883.3.72.5.25^ISO|||||||5742200012^Radon^Nicholas^^^DR^^^&2.16.840.1.113883.4.6&ISO^L^^^NPI

OBR|2|R-512^^2.16.840.1.113883.3.72.5.25^ISO|11011-4^Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method^LN^HCVRNA^Hepatitis C RNA PCR^L^2.52|||20150925|||G|||||5742200012^Radon^Nicholas^^^DR^^^&2.16.840.1.113883.4.6&ISO^L^^^NPI|||||20150929102500|||F|48159-8&Hepatitis C virus Ab Signal/Cutoff in Serum or Plasma by Immunoassay&LN&HCVSCO&Hepatitis C antibodies Signal to Cut-off Ratio&L&2.52|||ORD448811&&2.16.840.1.113883.3.72.5.24&ISO^R-511&&2.16.840.1.113883.3.72.5.25&ISO

OBX|1|SN|11011-4^Hepatitis C virus RNA [Units/volume] (viral load) in Serum or Plasma by Probe and target amplification method^LN^HCVRNA^Hepatitis C RNA PCR^L^2.52||^7611200|[IU]/mL^international unit per milliliter^UCUM^IU/mL^^L^1.9|<43 IU/mL|H|||F|||20150925|||||20120629092700|||Century Hospital^^^^^CLIA&2.16.840.1.113883.4.7&ISO^XX^^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^USA^B^^06037|^Knowsalot^Phil^J.^Dr.||||RSLT

SPM|1|S-2015-666666&&2.16.840.1.113883.3.72.5.24&ISO^S-991133&&2.16.840.1.113883.3.72.5.25&ISO||119364003^Serum

specime

n(specimen)^SCT^SER^Serum^L^201509USED|||||||20150925