

#### 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

This test case is evaluating the handling of communication of fasting status information as part of a typical Lipid Panel.

#### PreCondition

No Pre-condition.

#### PostCondition

No Post Condition.

#### TestObjectives

- Demonstrate the capability to message a valid LRI lipid panel message that contains fasting status information.

#### Notes to Testers

No Notes.

## Test Case Information

## LRI\_3.0\_1.1-NG - Typically Populated Lipid Panel message - Final Results

|              |                |
|--------------|----------------|
| Test Case ID | LRI_3.0_1.1-NG |
|--------------|----------------|

## MSH

| Location    | Data Element                    | Data                   | Categorization    |
|-------------|---------------------------------|------------------------|-------------------|
| MSH.1       | Field Separator                 |                        | IG Fixed Data     |
| MSH.2       | Encoding Characters             | ^~&#                   | IG Fixed Data     |
| MSH.3       | Sending Application             |                        |                   |
| MSH.3.2     | Universal ID                    | 372520                 | Configurable Data |
| MSH.3.3     | Universal ID Type               | L                      | Configurable Data |
| MSH.4       | Sending Facility                |                        |                   |
| MSH.4.2     | Universal ID                    | 372521                 | Configurable Data |
| MSH.4.3     | Universal ID Type               | L                      | Configurable Data |
| MSH.6       | Receiving Facility              |                        |                   |
| MSH.6.2     | Universal ID                    | 372523                 | Configurable Data |
| MSH.6.3     | Universal ID Type               | L                      | Configurable Data |
| MSH.7       | Date/Time Of Message            |                        |                   |
| MSH.7.1     | Time                            | 20150926140551         | 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_3.0_1.1-NG         | 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_NG_Component       | IG Fixed Data     |
| MSH.21[2].3 | Universal ID                    | 2.16.840.1.113883.9.13 | 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_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               | PATID1234 | Configurable Data |
| PID.3.4   | Assigning Authority     |           |                   |
| PID.3.4.1 | Namespace ID            | NIST MPI  | Changeable 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   |

| <b>Location</b> | <b>Data Element</b>                                | <b>Data</b> | <b>Categorization</b> |
|-----------------|--|-------------|-----------------------|
| <b>PID.5.6</b>  | Second and Further Given Names or Initials Thereof | A           | Changeable Data       |
| <b>PID.5.7</b>  | Name Type Code                                     | L           | Changeable Data       |
| <b>PID.7</b>    | <b>Date/Time of Birth</b>                          |             |                       |
| PID.7.1         | Time   | 19610627    | Changeable Data       |
| <b>PID.8</b>    | <b>Administrative Sex</b>                          | M           | 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  | PATID1234   | Configurable Data     |
| PID.18.4        | Assigning Authority                                |             |                       |
| PID.18.4.1      | Namespace ID                                       | NIST MPI    | Changeable 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          | ORD777888       | Changeable Data       |
| ORC.2.2         | Namespace ID               | NIST EHR        | Changeable Data       |
| <b>ORC.3</b>    | <b>Filler Order Number</b> |                 |                       |
| ORC.3.1         | Entity Identifier          | R-220713        | Changeable Data       |
| ORC.3.2         | Namespace ID               | NIST Lab Filler | Changeable Data       |
| <b>ORC.4</b>    | <b>Placer Group Number</b> |                 |                       |
| ORC.4.1         | Entity Identifier          | GORD874244      | Changeable Data       |
| ORC.4.2         | Namespace ID               | NIST EHR        | Changeable 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.12.9        | Assigning Authority        |                 |                       |
| ORC.12.9.1      | Namespace ID               | NPI             | 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                   | ORD777888                           | Changeable Data       |
| OBR.2.2         | Namespace ID                        | NIST EHR                            | Changeable Data       |
| <b>OBR.3</b>    | <b>Filler Order Number</b>          |                                     |                       |
| OBR.3.1         | Entity Identifier                   | R-220713                            | Changeable Data       |
| OBR.3.2         | Namespace ID                        | NIST Lab Filler                     | Changeable Data       |
| <b>OBR.4</b>    | <b>Universal Service Identifier</b> |                                     |                       |
| OBR.4.1         | Identifier                          | 24331-1                             | Test Case Fixed Data  |
| OBR.4.2         | Text                                | Lipid 1996 panel in Serum or Plasma | Test Case Fixed Data  |
| OBR.4.3         | Name of Coding System               | LN                                  | Test Case Fixed Data  |
| OBR.4.4         | Alternate Identifier                | 345789                              | Changeable Data       |
| OBR.4.5         | Alternate Text                      | Lipid Panel                         | Changeable Data       |
| OBR.4.6         | Name of Alternate Coding System     | 99USL                               | Changeable Data       |
| OBR.4.7         | Coding System Version               | 2.52                                | Changeable Data       |
| OBR.4.9         | Original Text                       | Lipid 1996 panel in Serum or Plasma | Changeable Data       |
| <b>OBR.7</b>    | <b>Observation Date/Time</b>        |                                     |                       |

| OBR.7.1<br>Location | Time<br>Data Element                       | 20150925<br>Data                            | Changeable Data<br>Categorization |
|---------------------|--|---|-----------------------------------|
| <b>OBR.13</b>       | <b>Relevant Clinical Information</b>       |   |                                   |
| OBR.13.1            | Identifier                                 | F   | Changeable Data                   |
| OBR.13.2            | Text                                       | Patient was fasting prior to the procedure. | Changeable Data                   |
| OBR.13.3            | Name of the Coding System                  | HL70916                                     | Changeable Data                   |
| OBR.13.7            | Coding System Version                      | 2.7.1                                       | Changeable Data                   |
| OBR.13.9            | Original Text                              | fasting 12 hours                            | Changeable 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.16.9            | Assigning Authority                        |   |                                   |
| OBR.16.9.1          | Namespace ID                               | NPI   | 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                                       | 20150926140551                              | Changeable Data                   |
| <b>OBR.25</b>       | <b>Result Status</b>                       | F   | Test Case Fixed Data              |
| <b>OBR.28</b>       | <b>Result Copies To</b>                    |   |                                   |
| OBR.28.1            | ID Number                                  | 10092000194                                 | Changeable Data                   |
| OBR.28.2            | Family Name                                |   |                                   |
| OBR.28.2.1          | Surname                                    | Hamlin                                      | Changeable Data                   |
| OBR.28.3            | Given Name                                 | Pafford                                     | Changeable Data                   |
| OBR.28.9            | Assigning Authority                        |   |                                   |
| OBR.28.9.1          | Namespace ID                               | NPI   | Changeable Data                   |
| OBR.28.10           | Name Type Code                             | L   | Changeable Data                   |
| OBR.28.13           | Identifier Type Code                       | NPI   | Changeable Data                   |
| <b>OBR.49</b>       | <b>Results Handling</b>                    |   |                                   |
| OBR.49.1            | Identifier                                 | CC  | Test Case Fixed Data              |
| OBR.49.2            | Text                                       | Copies Requested                            | Test Case Fixed Data              |
| OBR.49.3            | Name of the Coding System                  | HL70507                                     | IG Fixed Data                     |

#### OBX

| 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>                   | NM  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>       |   |                      |
| 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.3.7       | Coding System Version               | 2.52  | Changeable Data      |
| OBX.3.9       | Original Text                       | Cholesterol [Mass/volume] in Serum or Plasma                | Test Case Fixed Data |
| <b>OBX.5</b>  | <b>Observation Value</b>            | 196   | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                        |   |                      |
| 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.6.7       | Coding System Version               | 1.9   | Changeable Data      |
| <b>OBX.7</b>  | <b>Reference Range</b>              | Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240 | 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      |

| Location   | Date/Time of the Analysis                | Data Element | Data             | Categorization       |
|------------|--|--------------|------------------|----------------------|
| 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.23.7   | 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.24.7   | Address Type                             |              | B                | Changeable Data      |
| OBX.25     | Performing Organization Medical Director |              |                  |                      |
| OBX.25.1   | ID Number                                |              | 5432178916       | Changeable Data      |
| OBX.25.2   | Family Name                              |              |                  |                      |
| OBX.25.2.1 | Surname                                  |              | Knowsalot        | Changeable Data      |
| OBX.25.3   | Given Name                               |              | Phil             | Changeable Data      |
| OBX.25.6   | Prefix (e.g., DR)                        |              | Dr.              | Changeable Data      |
| OBX.25.9   | Assigning Authority                      |              |                  |                      |
| OBX.25.9.1 | Namespace ID                             |              | NPI              | Changeable Data      |
| OBX.25.10  | Name Type Code                           |              | L                | Changeable Data      |
| OBX.25.13  | Identifier Type Code                     |              | NPI              | Changeable Data      |
| OBX.29     | Observation Type                         |              | RSLT             | Test Case Fixed Data |

#### OBX

| 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.3.7    | Coding System Version        | 2.52  | Changeable Data      |
| OBX.3.9    | Original Text                | Triglyceride [Mass/volume] in Serum or Plasma | Test Case Fixed Data |
| 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.6.7    | Coding System Version        | 1.9   | Changeable Data      |
| 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                         | 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.23.7      | Identifier Type Code                            | XX             | Changeable Data      |
|---------------|---|----------------|----------------------|
| Location      | Data Element                                    | Data           | Categorization       |
| 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.24.7      | Address Type                                    | B              | Changeable Data      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b> |                |                      |
| OBX.25.1      | ID Number                                       | 5432178916     | Changeable Data      |
| OBX.25.2      | Family Name                                     |                |                      |
| OBX.25.2.1    | Surname   | Knowsalot      | Changeable Data      |
| OBX.25.3      | Given Name                                      | Phil           | Changeable Data      |
| OBX.25.6      | Prefix (e.g., DR)                               | Dr.            | Changeable Data      |
| OBX.25.9      | Assigning Authority                             |                |                      |
| OBX.25.9.1    | Namespace ID                                    | NPI            | Changeable Data      |
| OBX.25.10     | Name Type Code                                  | L              | Changeable Data      |
| OBX.25.13     | Identifier Type Code                            | NPI            | 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>                      | NM  | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>          |   |                      |
| 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.3.7       | Coding System Version                  | 2.52  | Changeable Data      |
| OBX.3.9       | Original Text                          | Cholesterol in HDL [Mass/volume] in Serum or Plasma | Test Case Fixed Data |
| <b>OBX.5</b>  | <b>Observation Value</b>               | 60  | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                           |   |                      |
| 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.6.7       | Coding System Version                  | 1.9   | Changeable Data      |
| <b>OBX.7</b>  | <b>Reference Range</b>                 | 29 to 72  | 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.23.7      | 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<br>Location | State or Province<br>Data Element               | CA<br>Data | Changeable Data<br>Categorization |
|----------------------|---|------------|-----------------------------------|
| OBX.24.5             | Zip or Postal Code                              | 90067      | Changeable Data                   |
| <b>OBX.25</b>        | <b>Performing Organization Medical Director</b> |            |                                   |
| OBX.25.1             | ID Number                                       | 5432178916 | Changeable Data                   |
| OBX.25.2             | Family Name                                     |            |                                   |
| OBX.25.2.1           | Surname   | Knowsalot  | Changeable Data                   |
| OBX.25.3             | Given Name                                      | Phil       | Changeable Data                   |
| OBX.25.6             | Prefix (e.g., DR)                               | Dr.        | Changeable Data                   |
| OBX.25.9             | Assigning Authority                             |            |                                   |
| OBX.25.9.1           | Namespace ID                                    | NPI        | Changeable Data                   |
| OBX.25.10            | Name Type Code                                  | L          | Changeable Data                   |
| OBX.25.13            | Identifier Type Code                            | NPI        | 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>                               | NM   | Test Case Fixed Data |
| <b>OBX.3</b>  | <b>Observation Identifier</b>                   |  |                      |
| 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.3.7       | Coding System Version                           | 2.52   | Changeable Data      |
| OBX.3.9       | Original Text                                   | Cholesterol in LDL [Mass/volume] in Serum or Plasma        | Test Case Fixed Data |
| <b>OBX.5</b>  | <b>Observation Value</b>                        | 116  | Test Case Fixed Data |
| <b>OBX.6</b>  | <b>Units</b>                                    |  |                      |
| 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.6.7       | Coding System Version                           | 1.9  | Changeable Data      |
| <b>OBX.7</b>  | <b>Reference Range</b>                          | Recommended: <130; Moderate Risk: 130-159; High Risk: >160 | 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.23.7      | 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.24.7      | Address Type                                    | B  | Changeable Data      |
| <b>OBX.25</b> | <b>Performing Organization Medical Director</b> |  |                      |
| OBX.25.1      | ID Number                                       | 5432178916   | Changeable Data      |
| OBX.25.2      | Family Name                                     |  |                      |

| OBX.25.2.1<br>Location | Surname<br>Data Element | Knowsalot<br>Data | Changeable Data<br>Categorization |
|------------------------|-------------------------|-------------------|-----------------------------------|
| OBX.25.3               | Given Name              | Phil              | Changeable Data                   |
| OBX.25.6               | Prefix (e.g., DR)       | Dr.               | Changeable Data                   |
| OBX.25.9               | Assigning Authority     |                   |                                   |
| OBX.25.9.1             | Namespace ID            | NPI               | Changeable Data                   |
| OBX.25.10              | Name Type Code          | L                 | Changeable Data                   |
| OBX.25.13              | Identifier Type Code    | NPI               | 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     |                                      | S2015-777888    | Changeable Data |
| SPM.2.1.2     |                                      | NIST EHR        | Changeable Data |
| SPM.2.2       |                                      |                 |                 |
| SPM.2.2.1     |                                      | S-220713-1      | Changeable Data |
| SPM.2.2.2     |                                      | NIST Lab Filler | Changeable Data |
| <b>SPM.4</b>  | <b>Specimen Type</b>                 |                 |                 |
| 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.4.7       | Coding System Version                | 201509USEd      | Changeable Data |
| SPM.4.9       | Original Text                        | Blood           | 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               | William A Jones |
| Date/Time of Birth | 06/27/1961      |
| Administrative Sex | Male            |
| Race               | White           |
| Alt Race           |                 |

**Order Observation****Ordering Provider**

| Element           | Data           |
|-------------------|----------------|
| Name              | Nicholas Radon |
| Identifier number | 5742200012     |

**Observation Details**

| Element                                     | 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                       | 09/25/2015                                  |
| Observation end Date/Time                   |   |
| Specimen Action Code                        |   |
| Relevant Clinical Information               | Patient was fasting prior to the procedure. |
| Relevant Clinical Information Original Text | fasting 12 hours                            |
| Observation Result Information              |   |
| Result Status                               | F   |
| Results Report/Status Change - Date/Time    | 09/26/2015 2:05 PM                          |
| Results Copy To                             |   |
| Name  | Pafford                                     |
| Identifier                                  | 10092000194                                 |
| 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 |
| Director Name           | Dr. Phil Knowsalot                  |
| Director identifier     | 5432178916                          |

### Specimen Information

| Element                | Data     |
|------------------------|----------|
| Specimen Type          | BLD      |
| Alt Specimen Type      |          |
| Specimen Original Text | Blood    |
| Start date/time        | 20150925 |

### Lab results

| Element   |        | Data                                |   |               |        |                          |                       |       |
|---|--------|-------------------------------------|---|---------------|--------|--------------------------|-----------------------|-------|
| Test performed                                      |        | Lipid 1996 panel in Serum or Plasma |   |               |        |                          |                       |       |
| 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 |
| Cholesterol [Mass/volume] in Serum or Plasma        | 196    | milligrams per deciliter            | Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240 | N             | F      | 09/25/2015               | 09/26/2015 14:00      |       |
| Triglyceride [Mass/volume] in Serum or Plasma       | 100    | milligrams per deciliter            | 40 to 160   | N             | F      | 09/25/2015               | 09/26/2015 14:00      |       |
| Cholesterol in HDL [Mass/volume] in Serum or Plasma | 60     | milligrams per deciliter            | 29 to 72  | N             | F      | 09/25/2015               | 09/26/2015 14:00      |       |
| Cholesterol in LDL [Mass/volume] in Serum or Plasma | 116    | milligrams per deciliter            | Recommended: <130; Moderate Risk: 130-159; High Risk: >160  | N             | F      | 09/25/2015               | 09/26/2015 14:00      |       |

MSH|^~&#|^372520^L|^372521^L|^372523^L|20150926140551||ORU^R01^ORU\_R01|LRI\_3.0\_1.1-NG|D|2.5.1||AL|AL||||LRI\_Common\_Component^^2.16.840.1.113883.9.16^ISO~LRI\_NG\_Component^^2.16.840.1.113883.9.13^ISO~LRI\_FRU\_Component^^2.16.840.1.113883.9.83^ISO

PID|1||PATID1234^^^NIST MPI^MR||Jones^William^A^^^^L||19610627|M||2106-3^White^HL70005|||||PATID1234^^^NIST MPI^AN

ORC|RE|ORD777888^NIST EHR|R-220713^NIST Lab Filler|GORD874244^NIST EHR||||||5742200012^Radon^Nicholas^^^^^^NPI^L^^^NPI

OBR|1|ORD777888^NIST EHR|R-220713^NIST Lab Filler|24331-1^Lipid 1996 panel in Serum or Plasma^LN^345789^Lipid Panel^99U SL^2.52^^Lipid 1996 panel in Serum or Plasma||||20150925||||F^Patient was fasting prior to the procedure.^HL70916^^^^2.7.1^^fasting 12 hours||||5742200012^Radon^Nicholas^^^^^^NPI^L^^^NPI|||||20150926140551||F|||10092000194^Hamlin^Pafford^NPI^L^^^NPI|||||||||||||CC^Copies Requested^HL70507

OBX|1|NM|2093-3^Cholesterol [Mass/volume] in Serum or Plasma^LN^^^^2.52^^Cholesterol [Mass/volume] in Serum or Plasma||196|mg/dL^milligrams per deciliter^UCUM^^^^1.9|Recommended: <200; Moderate Risk: 200-239 ; High Risk: >240|N||||F|||20150925|||||201509261400||||Century Hospital^^^^CLIA^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^B|5432178916^Knowsallot^Phil^^^Dr.^NPI^L^^^NPI||||RSLT

OBX|2|NM|2571-8^Triglyceride [Mass/volume] in Serum or Plasma^LN^^^^2.52^^Triglyceride [Mass/volume] in Serum or Plasma||100|mg/dL^milligrams per deciliter^UCUM^^^^1.9|40 to 160|N||||F|||20150925|||||201509261400||||Century Hospital^^^^CLIA^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^B|5432178916^Knowsallot^Phil^^^Dr.^NPI^L^^^NPI||||RSLT

OBX|3|NM|2085-9^Cholesterol in HDL [Mass/volume] in Serum or Plasma^LN^^^^2.52^^Cholesterol in HDL [Mass/volume] in Serum or Plasma||60|mg/dL^milligrams per deciliter^UCUM^^^^1.9|29 to 72|N||||F|||20150925|||||201509261400||||Century Hospital^^^^CLIA^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^B|5432178916^Knowsallot^Phil^^^Dr.^NPI^L^^^NPI||||RSLT

OBX|4|NM|2089-1^Cholesterol in LDL [Mass/volume] in Serum or Plasma^LN^^^^2.52^^Cholesterol in LDL [Mass/volume] in Serum or Plasma||116|mg/dL^milligrams per deciliter^UCUM^^^^1.9|Recommended: <130; Moderate Risk: 130-159; High Risk: >160|N||||F|||20150925|||||201509261400||||Century Hospital^^^^CLIA^XX^^24D9871327|2070 Test Park^^Los Angeles^CA^90067^B|5432178916^Knowsallot^Phil^^^Dr.^NPI^L^^^NPI||||RSLT

SPM|1|S2015-777888&NIST EHR^S-220713-1&NIST Lab Filler||119297000^BLD^SCT^^^^201509USED^^Blood|||||||||20150925