

Description

Maria Hernandez, a 24 year old African-American, Hispanic patient, is seen by her obstetrician Dr. John Feller at the Los Angeles Clinic where a point of service pregnancy test confirmed that Maria is pregnant. Because Maria has chronic hypertension, along with the regular early pregnancy workup, Dr. Feller requests that Maria collect her urine for a 24 hour period and then return to the clinic the next day, so Dr. Feller can collect the required serum sample in for a Creatinine Clearance lab test request, which he forwards to the to the clinical lab at Century Hospital. He also orders a 24 hour urine protein test.

PreCondition

No Pre Condition

PostCondition

No Post Condition

TestObjectives

- Demonstrate capability to support Ask at Order Entry (AOE) questions.
- Maximally populated DG1 Segment - Demonstrate the capability of the EHR to support all supported data elements
- Repeating DG1 Segment - Demonstrate the capability of the EHR to support repeating DG1 segments.
- Demonstrate the capability to support repeating Specimen Group and Segment (SPM).
- Maximally populated OBR.8 Observation End Date/Time field - Demonstrate the capability of the EHR to support all supported data elements in OBR.8 - Observation End Date/Time field.
- Maximally populated OBX Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the OBX segment.
- Repeating OBX Segment - Demonstrate the capability of the EHR to support repeating OBX segments.
- Maximally populated SPM Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the SPM segment (SPM-2.2 and SPM-4.9 are exceptions. These elements are maximally populated in other test cases 'LOI_6_Pap_Smear' and 'LOI_3_Lipid_Panel' respectively).
- Demonstrate capability to support reporting date range for specimen collection.

Test Case Information

NIST-LOI_9.0_1.1-GU_PRU - Creatinine_Clearance

Test Case ID

LOI_9.0_1.1-GU_PRU

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.3.1 | Namespace ID | NIST EHR | Configurable Data |
| MSH.3.2 | Universal ID | 2.16.840.1.113883.3.72.5.22 | Configurable Data |
| MSH.3.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.4 | Sending Facility | | |
| MSH.4.1 | Namespace ID | NIST EHR Facility | Configurable Data |
| MSH.4.2 | Universal ID | 2.16.840.1.113883.3.72.5.23 | Configurable Data |
| MSH.4.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.5 | Receiving Application | | |
| MSH.5.1 | Namespace ID | NIST Test Lab APP | Configurable Data |
| MSH.5.2 | Universal ID | 2.16.840.1.113883.3.72.5.20 | Configurable Data |
| MSH.5.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.6 | Receiving Facility | | |
| MSH.6.1 | Namespace ID | NIST Lab Facility | Configurable Data |
| MSH.6.2 | Universal ID | 2.16.840.1.113883.3.72.5.21 | Configurable Data |
| MSH.6.3 | Universal ID Type | ISO | IG Fixed Data |
| MSH.7 | Date/Time Of Message | | |
| MSH.7.1 | Time | 20130211184101-0500 | System Generated |
| MSH.9 | Message Type | | |
| MSH.9.1 | Message Code | OML | IG Fixed Data |
| MSH.9.2 | Trigger Event | O21 | IG Fixed Data |
| MSH.9.3 | Message Structure | OML_O21 | IG Fixed Data |
| MSH.10 | Message Control ID | NIST-LOI_9.0_1.1-GU_PRU | System Generated |
| MSH.11 | Processing ID | | |
| MSH.11.1 | Processing ID | T | Changeable Data |
| MSH.12 | Version ID | | |
| MSH.12.1 | Version ID | 2.5.1 | IG Fixed Data |
| MSH.15 | Accept Acknowledgment Type | AL | IG Fixed Data |
| MSH.16 | Application Acknowledgment Type | AL | Changeable Data |
| MSH.21 | Message Profile Identifier | | |
| MSH.21.1 | Entity Identifier | LOI_Common_Component | Test Case Fixed Data |
| MSH.21.2 | Namespace ID | LOI Base Profile | Changeable Data |
| MSH.21.3 | Universal ID | 2.16.840.1.113883.9.66 | Test Case Fixed Data |
| MSH.21.4 | Universal ID Type | ISO | IG Fixed Data |
| MSH.21[2] | Message Profile Identifier | | |
| MSH.21[2].1 | Entity Identifier | LOI_GU_Component | Test Case Fixed Data |
| MSH.21[2].2 | Namespace ID | LOI GU Profile | Changeable Data |
| MSH.21[2].3 | Universal ID | 2.16.840.1.113883.9.78 | Test Case 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_PRU_Component | Test Case Fixed Data |
| MSH.21[3].2 | Namespace ID | LOI PRU Profile | Changeable Data |
| MSH.21[3].3 | Universal ID | 2.16.840.1.113883.9.82 | Test Case Fixed Data |
| MSH.21[3].4 | Universal ID Type | ISO | IG Fixed Data |

PID

| Location | Data Element | Data | Categorization |
|----------|--------------|------|----------------|
|----------|--------------|------|----------------|

| PID.1 Location | Set ID - PID Data Element | 1 Data | IG Fixed Data Categorization |
|----------------|----------------------------------|-------------------------------|------------------------------|
| PID.3 | Patient Identifier List | | |
| PID.3.1 | ID Number | PATID14567 | Configurable Data |
| PID.3.4 | Assigning Authority | | |
| PID.3.4.1 | Namespace ID | NIST MPI | Configurable Data |
| PID.3.4.2 | Universal ID | 2.16.840.1.113883.3.72.5.30.2 | Configurable Data |
| PID.3.4.3 | Universal ID Type | ISO | IG Fixed Data |
| PID.3.5 | Identifier Type Code | MR | Changeable Data |
| PID.5 | Patient Name | | |
| PID.5.1 | Family Name | | |
| PID.5.1.1 | Surname | Hernandez | Changeable Data |
| PID.5.2 | Given Name | Maria | Changeable Data |
| PID.5.7 | Name Type Code | L | Changeable Data |
| PID.7 | Date/Time of Birth | | |
| PID.7.1 | Date/Time | 19880906 | Changeable Data |
| PID.8 | Administrative Sex | F | Changeable Data |
| PID.10 | Race | | |
| PID.10.1 | Identifier | 2054-5 | Changeable Data |
| PID.10.2 | Text | Black or African American | Changeable Data |
| PID.10.3 | Name of Coding System | HL70005 | IG Fixed Data |
| PID.11 | Patient Address | | |
| PID.11.1 | Street Address | | |
| PID.11.1.1 | Street or Mailing Address | 3248 E Florence Ave | Changeable Data |
| PID.11.3 | City | Huntington Park | Changeable Data |
| PID.11.4 | State or Province | CA | Changeable Data |
| PID.11.5 | Zip or Postal Code | 90255 | Changeable Data |
| PID.11.7 | Address Type | H | Test Case Fixed Data |
| PID.13 | Phone Number - Home | | |
| PID.13.3 | Telecommunication Equipment Type | PH | Changeable Data |
| PID.13.6 | Area/City Code | 323 | Changeable Data |
| PID.13.7 | Local Number | 5825421 | Changeable Data |
| PID.22 | Ethnic Group | | |
| PID.22.1 | Identifier | H | Changeable Data |
| PID.22.2 | Text | Hispanic or Latino | Changeable Data |
| PID.22.3 | Name of Coding System | HL70189 | IG Fixed Data |

ORC

| Location | Data Element | Data | Categorization |
|---------------|---------------------------------|-----------------------------|----------------------|
| ORC.1 | Order Control | NW | Test Case Fixed Data |
| ORC.2 | Placer Order Number | | |
| ORC.2.1 | Entity Identifier | ORD231-1 | Changeable Data |
| ORC.2.2 | Namespace ID | NIST EHR | Configurable Data |
| ORC.2.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.2.4 | Universal ID Type | ISO | IG Fixed Data |
| ORC.9 | Date/Time of Transaction | | |
| ORC.9.1 | Time | 20130116090021-0800 | System Generated |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 134569827 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Feller | Changeable Data |
| ORC.12.3 | Given Name | Hans | Changeable Data |
| ORC.12.9 | Assigning Authority | | |
| ORC.12.9.1 | Namespace ID | NPI | Configurable Data |
| ORC.12.9.2 | Universal ID | 2.16.840.1.113883.4.6 | Configurable Data |
| ORC.12.9.3 | Universal ID Type | ISO | IG Fixed Data |
| ORC.12.10 | Name Type Code | L | Changeable Data |
| ORC.12.13 | Identifier Type Code | NPI | Changeable Data |

OBR

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|--------------------------------------|----------------------|
| OBR.1 | Set ID - OBR | 1 | IG Fixed Data |
| OBR.2 | Placer Order Number | | |
| OBR.2.1 | Entity Identifier | ORD231-1 | Changeable Data |
| OBR.2.2 | Namespace ID | NIST EHR | Configurable Data |
| OBR.2.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| OBR.2.4 | Universal ID Type | ISO | IG Fixed Data |
| OBR.4 | Universal Service Identifier | | |
| OBR.4.1 | Identifier | 34555-3 | Test Case Fixed Data |
| OBR.4.2 | Text | Creatinine 24H renal clearance panel | Changeable Data |
| OBR.4.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBR.4.9 | Original Text | Creatinine Clearance | Changeable Data |
| OBR.7 | Observation Date/Time | | |
| OBR.7.1 | Date/Time | 201301151130-0800 | Changeable Data |
| OBR.8 | Observation End Date/Time | | |
| OBR.8.1 | Date/Time | 201301160912-0800 | Changeable Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 134569827 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Feller | Changeable Data |
| OBR.16.3 | Given Name | Hans | Changeable Data |
| OBR.16.9 | Assigning Authority | | |
| OBR.16.9.1 | Namespace ID | NPI | Configurable Data |
| OBR.16.9.2 | Universal ID | 2.16.840.1.113883.4.6 | Configurable Data |
| OBR.16.9.3 | Universal ID Type | ISO | IG Fixed Data |
| OBR.16.10 | Name Type Code | L | Changeable Data |
| OBR.16.13 | Identifier Type Code | NPI | Changeable Data |

DG1

| Location | Data Element | Data | Categorization |
|---------------|-----------------------------|----------------------------------|----------------------|
| DG1.1 | Set ID - DG1 | 1 | IG Fixed Data |
| DG1.3 | Diagnosis Code - DG1 | | |
| DG1.3.1 | Identifier | I10 | Test Case Fixed Data |
| DG1.3.2 | Text | Essential (primary) hypertension | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.3.9 | Original Text | Hypertension, NOS | Changeable Data |
| DG1.6 | Diagnosis Type | F | Changeable Data |
| DG1.15 | Diagnosis Priority | 2 | Changeable Data |

DG1

| Location | Data Element | Data | Categorization |
|---------------|-----------------------------|---|----------------------|
| DG1.1 | Set ID - DG1 | 2 | IG Fixed Data |
| DG1.3 | Diagnosis Code - DG1 | | |
| DG1.3.1 | Identifier | O10.93 | Test Case Fixed Data |
| DG1.3.2 | Text | Unspecified pre-existing hypertension complicating the puerperium | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.3.9 | Original Text | Pregnancy with chronic hypertension | Changeable Data |
| DG1.6 | Diagnosis Type | W | Changeable Data |
| DG1.15 | Diagnosis Priority | 1 | Changeable Data |

OBX

| Location | Data Element | Data | Categorization |
|--------------|-------------------------------|------|----------------------|
| OBX.1 | Set ID - OBX | 1 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|-----------------------------------|----------------------|
| OBX.3.2 | Text | Pregnancy status | Changeable Data |
| OBX.3.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | 1903 | Changeable Data |
| OBX.3.5 | Alternate Text | Pregnancy status | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.3.7 | Coding System Version ID | 2.44 | Changeable Data |
| OBX.3.9 | Original Text | Is the patient pregnant? | Changeable Data |
| OBX.5 | Observation Value_Numeric | | |
| OBX.5.1 | Identifier | Y | Test Case Fixed Data |
| OBX.5.2 | Text | Yes | Changeable Data |
| OBX.5.3 | Name of Coding System | HL70136 | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | 1 | Test Case Fixed Data |
| OBX.5.5 | Alternate Text | Yes, confirmed less than 12 weeks | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.5.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| OBX.5.9 | Original Text | early pregnancy (pre 12 weeks) | Changeable Data |
| OBX.11 | Observation Result Status | O | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Date/Time | 20130115 | Changeable Data |
| OBX.29 | Observation Type | SCI | 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 | 3167-4 | Test Case Fixed Data |
| OBX.3.2 | Text | Volume of 24 hour Urine | Changeable Data |
| OBX.3.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | 1904 | Changeable Data |
| OBX.3.5 | Alternate Text | Urine Volume of 24 hour collection | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.3.7 | Coding System Version ID | 2.44 | Changeable Data |
| OBX.3.9 | Original Text | Urine Volume 24hour collection | Changeable Data |
| OBX.5 | Observation Value_Numeric | 1250 | Changeable Data |
| OBX.6 | Units | | |
| OBX.6.1 | Identifier | mL | Test Case Fixed Data |
| OBX.6.2 | Text | milliliter | Changeable Data |
| OBX.6.3 | Name of Coding System | UCUM | Test Case Fixed Data |
| OBX.6.4 | Alternate Identifier | ml | Changeable Data |
| OBX.6.5 | Alternate Text | milliliter | Changeable Data |
| OBX.6.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.6.7 | Coding System Version ID | 1.7 | Changeable Data |
| OBX.6.9 | Original Text | ml | Changeable Data |
| OBX.11 | Observation Result Status | O | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Date/Time | 20130116 | Changeable Data |
| OBX.29 | Observation Type | SCI | Test Case Fixed Data |

OBX

| Location | Data Element | Data | Categorization |
|--------------|-------------------------------|----------------------|----------------------|
| OBX.1 | Set ID - OBX | 3 | IG Fixed Data |
| OBX.2 | Value Type | NM | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 3141-9 | Test Case Fixed Data |
| OBX.3.2 | Text | Body weight Measured | Changeable Data |

| OBX.3.3 | Name of Coding System | LN | Data | Test Case Fixed Data |
|----------|---------------------------------|-------------------------------|------|----------------------|
| Location | Data Element | | | Categorization |
| OBX.3.4 | Alternate Identifier | BWm | | Changeable Data |
| OBX.3.5 | Alternate Text | Body weight Measured | | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | 99USL | | Test Case Fixed Data |
| OBX.3.7 | Coding System Version ID | 2.44 | | Changeable Data |
| OBX.3.9 | Original Text | patient weight measured in kg | | Changeable Data |
| OBX.5 | Observation Value_Numeric | 59.5 | | Changeable Data |
| OBX.6 | Units | | | |
| OBX.6.1 | Identifier | kg | | Test Case Fixed Data |
| OBX.6.2 | Text | kilogram | | Changeable Data |
| OBX.6.3 | Name of Coding System | UCUM | | Test Case Fixed Data |
| OBX.11 | Observation Result Status | O | | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | | |
| OBX.14.1 | Date/Time | 20130116 | | Changeable Data |
| OBX.29 | Observation Type | SCI | | Test Case Fixed Data |

SPM

| Location | Data Element | Data | Categorization |
|------------|---------------------------------|---------------------------------|----------------------|
| SPM.1 | Set ID - SPM | 1 | IG Fixed Data |
| SPM.2 | Specimen ID | | |
| SPM.2.1 | Placer Assigned Identifier | | |
| SPM.2.1.1 | Entity Identifier | S-2312987-1 | Changeable Data |
| SPM.2.1.2 | Namespace ID | NIST EHR | Configurable Data |
| SPM.2.1.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| SPM.2.1.4 | Universal ID Type | ISO | IG Fixed Data |
| SPM.4 | Specimen Type | | |
| SPM.4.1 | Identifier | 276833005 | Test Case Fixed Data |
| SPM.4.2 | Text | 24 hour urine sample (specimen) | Changeable Data |
| SPM.4.3 | Name of Coding System | SCT | IG Fixed Data |
| SPM.4.4 | Alternate Identifier | UR24H | Changeable Data |
| SPM.4.5 | Alternate Text | 24hr Urine | Changeable Data |
| SPM.4.6 | Name of Alternate Coding System | 99USL | Changeable Data |
| SPM.4.9 | Original Text | 24 hour urine | Changeable Data |
| SPM.17 | Specimen Collection Date/Time | | |
| SPM.17.1 | Range Start Date/Time | | |
| SPM.17.1.1 | Date/Time | 201301151130-0800 | Changeable Data |
| SPM.17.2 | Range End Date/Time | | |
| SPM.17.2.1 | Date/Time | 201301160912-0800 | Changeable Data |

SPM

| Location | Data Element | Data | Categorization |
|------------|-------------------------------|-----------------------------|----------------------|
| SPM.1 | Set ID - SPM | 2 | IG Fixed Data |
| SPM.2 | Specimen ID | | |
| SPM.2.1 | Placer Assigned Identifier | | |
| SPM.2.1.1 | Entity Identifier | S-2312987-2 | Changeable Data |
| SPM.2.1.2 | Namespace ID | NIST EHR | Configurable Data |
| SPM.2.1.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| SPM.2.1.4 | Universal ID Type | ISO | IG Fixed Data |
| SPM.4 | Specimen Type | | |
| SPM.4.1 | Identifier | 119297000 | Test Case Fixed Data |
| SPM.4.2 | Text | Blood Specimen | Changeable Data |
| SPM.4.3 | Name of Coding System | SCT | IG Fixed Data |
| SPM.17 | Specimen Collection Date/Time | | |
| SPM.17.1 | Range Start Date/Time | | |
| SPM.17.1.1 | Date/Time | 201301160912-0800 | Changeable Data |

ORC

| Location | Data Element | Data | Categorization |
|---------------|---------------------------------|-----------------------------|----------------------|
| ORC.1 | Order Control | NW | Test Case Fixed Data |
| ORC.2 | Placer Order Number | | |
| ORC.2.1 | Entity Identifier | ORD231-2 | Changeable Data |
| ORC.2.2 | Namespace ID | NIST EHR | Configurable Data |
| ORC.2.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.2.4 | Universal ID Type | ISO | IG Fixed Data |
| ORC.9 | Date/Time of Transaction | | |
| ORC.9.1 | Time | 20130115102146-0800 | System Generated |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 134569827 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Feller | Changeable Data |
| ORC.12.3 | Given Name | Hans | Changeable Data |
| ORC.12.9 | Assigning Authority | | |
| ORC.12.9.1 | Namespace ID | NPI | Configurable Data |
| ORC.12.9.2 | Universal ID | 2.16.840.1.113883.4.6 | Configurable Data |
| ORC.12.9.3 | Universal ID Type | ISO | IG Fixed Data |
| ORC.12.10 | Name Type Code | L | Changeable Data |
| ORC.12.13 | Identifier Type Code | NPI | Changeable Data |

OBR

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|--|----------------------|
| OBR.1 | Set ID - OBR | 2 | IG Fixed Data |
| OBR.2 | Placer Order Number | | |
| OBR.2.1 | Entity Identifier | ORD231-2 | Changeable Data |
| OBR.2.2 | Namespace ID | NIST EHR | Configurable Data |
| OBR.2.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| OBR.2.4 | Universal ID Type | ISO | IG Fixed Data |
| OBR.4 | Universal Service Identifier | | |
| OBR.4.1 | Identifier | 21482-5 | Test Case Fixed Data |
| OBR.4.2 | Text | Protein [Mass/volume] in 24 hour Urine | Changeable Data |
| OBR.4.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBR.4.9 | Original Text | 24 hour Urine Protein | Changeable Data |
| OBR.7 | Observation Date/Time | | |
| OBR.7.1 | Date/Time | 201301151130-0800 | Changeable Data |
| OBR.8 | Observation End Date/Time | | |
| OBR.8.1 | Date/Time | 201301160912-0800 | Changeable Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 134569827 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Feller | Changeable Data |
| OBR.16.3 | Given Name | Hans | Changeable Data |
| OBR.16.9 | Assigning Authority | | |
| OBR.16.9.1 | Namespace ID | NPI | Configurable Data |
| OBR.16.9.2 | Universal ID | 2.16.840.1.113883.4.6 | Configurable Data |
| OBR.16.9.3 | Universal ID Type | ISO | IG Fixed Data |
| OBR.16.10 | Name Type Code | L | Changeable Data |
| OBR.16.13 | Identifier Type Code | NPI | Changeable Data |

DG1

| Location | Data Element | Data | Categorization |
|--------------|-----------------------------|------|----------------------|
| DG1.1 | Set ID - DG1 | 1 | IG Fixed Data |
| DG1.3 | Diagnosis Code - DG1 | | |
| DG1.3.1 | Identifier | I10 | Test Case Fixed Data |

| Location | Data Element | Essential (primary) Data | Changeable Data |
|---------------|---------------------------|--------------------------|----------------------|
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.3.9 | Original Text | Hypertension, NOS | Changeable Data |
| DG1.6 | Diagnosis Type | F | Changeable Data |
| DG1.15 | Diagnosis Priority | 2 | Changeable Data |

DG1

| Location | Data Element | Data | Categorization |
|---------------|-----------------------------|---|----------------------|
| DG1.1 | Set ID - DG1 | 2 | IG Fixed Data |
| DG1.3 | Diagnosis Code - DG1 | | |
| DG1.3.1 | Identifier | O10.93 | Test Case Fixed Data |
| DG1.3.2 | Text | Unspecified pre-existing hypertension complicating the puerperium | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.3.9 | Original Text | Pregnancy with chronic hypertension | Changeable Data |
| DG1.6 | Diagnosis Type | W | Changeable Data |
| DG1.15 | Diagnosis Priority | 1 | Changeable Data |

OBX

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|-----------------------------------|----------------------|
| OBX.1 | Set ID - OBX | 1 | IG Fixed Data |
| OBX.2 | Value Type | CWE | Test Case Fixed Data |
| OBX.3 | Observation Identifier | | |
| OBX.3.1 | Identifier | 67471-3 | Test Case Fixed Data |
| OBX.3.2 | Text | Pregnancy status | Changeable Data |
| OBX.3.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | 1903 | Changeable Data |
| OBX.3.5 | Alternate Text | Pregnancy status | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.3.7 | Coding System Version ID | 2.44 | Changeable Data |
| OBX.3.9 | Original Text | Is the patient pregnant? | Changeable Data |
| OBX.5 | Observation Value_Numeric | | |
| OBX.5.1 | Identifier | Y | Test Case Fixed Data |
| OBX.5.2 | Text | Yes | Changeable Data |
| OBX.5.3 | Name of Coding System | HL70136 | Test Case Fixed Data |
| OBX.5.4 | Alternate Identifier | 1 | Test Case Fixed Data |
| OBX.5.5 | Alternate Text | Yes, confirmed less than 12 weeks | Changeable Data |
| OBX.5.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.5.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| OBX.5.9 | Original Text | early pregnancy (pre 12 weeks) | Changeable Data |
| OBX.11 | Observation Result Status | O | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Date/Time | 20130115 | Changeable Data |
| OBX.29 | Observation Type | SCI | 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 | 3167-4 | Test Case Fixed Data |
| OBX.3.2 | Text | Volume of 24 hour Urine | Changeable Data |
| OBX.3.3 | Name of Coding System | LN | Test Case Fixed Data |
| OBX.3.4 | Alternate Identifier | 1904 | Changeable Data |
| OBX.3.5 | Alternate Text | Urine Volume of 24 hour collection | Changeable Data |
| OBX.3.6 | Name of Alternate Coding System | 99USL | Test Case Fixed Data |
| OBX.3.7 | Coding System Version ID | 2.44 | Changeable Data |

| OBX.3.9 | Original Text | Urine Volume 24hr collection | Changeable Data |
|---------------|-------------------------------------|------------------------------|----------------------|
| Location | Data Element | Data | Categorization |
| OBX.5 | Observation Value_Numeric | 1250 | Changeable Data |
| OBX.6 | Units | | |
| OBX.6.1 | Identifier | mL | Test Case Fixed Data |
| OBX.6.2 | Text | milliliter | Changeable Data |
| OBX.6.3 | Name of Coding System | UCUM | Test Case Fixed Data |
| OBX.6.4 | Alternate Identifier | ml | Changeable Data |
| OBX.6.5 | Alternate Text | milliliter | Changeable Data |
| OBX.6.6 | Name of Alternate Coding System | L | Changeable Data |
| OBX.6.7 | Coding System Version ID | 1.7 | Changeable Data |
| OBX.6.9 | Original Text | ml | Changeable Data |
| OBX.11 | Observation Result Status | O | Test Case Fixed Data |
| OBX.14 | Date/Time of the Observation | | |
| OBX.14.1 | Date/Time | 20130116 | Changeable Data |
| OBX.29 | Observation Type | SCI | Test Case Fixed Data |

SPM

| Location | Data Element | Data | Categorization |
|---------------|--------------------------------------|---------------------------------|----------------------|
| SPM.1 | Set ID - SPM | 1 | IG Fixed Data |
| SPM.2 | Specimen ID | | |
| SPM.2.1 | Placer Assigned Identifier | | |
| SPM.2.1.1 | Entity Identifier | S-2312987-1 | Changeable Data |
| SPM.2.1.2 | Namespace ID | NIST EHR | Configurable Data |
| SPM.2.1.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| SPM.2.1.4 | Universal ID Type | ISO | IG Fixed Data |
| SPM.4 | Specimen Type | | |
| SPM.4.1 | Identifier | 276833005 | Test Case Fixed Data |
| SPM.4.2 | Text | 24 hour urine sample (specimen) | Changeable Data |
| SPM.4.3 | Name of Coding System | SCT | IG Fixed Data |
| SPM.4.4 | Alternate Identifier | UR24H | Changeable Data |
| SPM.4.5 | Alternate Text | 24hr Urine | Changeable Data |
| SPM.4.6 | Name of Alternate Coding System | 99USL | Changeable Data |
| SPM.4.9 | Original Text | 24 hour urine | Changeable Data |
| SPM.17 | Specimen Collection Date/Time | | |
| SPM.17.1 | Range Start Date/Time | | |
| SPM.17.1.1 | Date/Time | 201301151130-0800 | Changeable Data |
| SPM.17.2 | Range End Date/Time | | |
| SPM.17.2.1 | Date/Time | 201301160912-0800 | Changeable Data |

Patient Information

| Element | Data |
|--------------------|---|
| Patient Name | Maria Hernandez |
| Administrative Sex | Female |
| Date/Time of Birth | 09/06/1988 |
| Patient Address | 3248 E Florence Ave Huntington Park CA 90255 |
| Home phone number | (323)582 - 5421 |
| Race | Black or African American |
| Ethnic group | Hispanic or Latino |

Order[*]**Order****Ordering Provider**

| Element | Data |
|-------------------------|-------------|
| Provider Name | Hans Feller |
| Provider NPI identifier | 134569827 |

General order information

| Element | Data |
|--------------------------|------------------------------|
| Placer Order Number | ORD231-1 |
| Order Control | NW |
| Date/Time of Transaction | 01/16/2013 09:00:21 AM -0800 |

Order details

| Element | Data |
|------------------------------|--------------------------------------|
| Universal Service Identifier | Creatinine 24H renal clearance panel |
| Observation Date/Time | 01/15/2013 11:30 AM -0800 |
| Observation end Date/Time | 01/16/2013 09:12 AM -0800 |

Diagnosis information - 1

| Element | Data |
|-------------------------|------|
| Priority | 2 |
| Diagnosis ICD-10CM Code | I10 |
| Diagnosis type | F |

Diagnosis information - 2

| Element | Data |
|-------------------------|--------|
| Priority | 1 |
| Diagnosis ICD-10CM Code | O10.93 |
| Diagnosis type | W |

Observation Result - 1

| Element | Data |
|-------------------------------------|--------------------------------|
| Observation Identifier (LOINC code) | 67471-3 |
| Observation Identifier (local code) | 1903 |
| Observation Value | early pregnancy (pre 12 weeks) |
| Observation Result status | O |
| Date/Time of the Observation | 01/15/2013 |

| | |
|------------------|-----|
| Observation Type | SCI |
|------------------|-----|

Observation Result - 2

| Element | Data |
|-------------------------------------|------------|
| Observation Identifier (LOINC code) | 3167-4 |
| Observation Identifier (local code) | 1904 |
| Observation Value | 1250 |
| Units | ml |
| Observation Result status | O |
| Date/Time of the Observation | 01/16/2013 |
| Observation Type | SCI |

Observation Result - 3

| Element | Data |
|-------------------------------------|------------|
| Observation Identifier (LOINC code) | 3141-9 |
| Observation Identifier (local code) | BWm |
| Observation Value | 59.5 |
| Units | kilogram |
| Observation Result status | O |
| Date/Time of the Observation | 01/16/2013 |
| Observation Type | SCI |

Specimen Details - 1

| Element | Data |
|----------------------------|---------------------------|
| Type | 24 hour urine |
| Collection Start Date/Time | 01/15/2013 11:30 AM -0800 |
| Collection End Date/Time | 01/16/2013 09:12 AM -0800 |

Specimen Details - 2

| Element | Data |
|----------------------------|---------------------------|
| Type | Blood Specimen |
| Collection Start Date/Time | 01/16/2013 09:12 AM -0800 |

Order

Ordering Provider

| Element | Data |
|-------------------------|-------------|
| Provider Name | Hans Feller |
| Provider NPI identifier | 134569827 |

General order information

| Element | Data |
|--------------------------|------------------------------|
| Placer Order Number | ORD231-2 |
| Order Control | NW |
| Date/Time of Transaction | 01/15/2013 10:21:46 AM -0800 |

Order details

| Element | Data |
|------------------------------|--|
| Universal Service Identifier | Protein [Mass/volume] in 24 hour Urine |
| Observation Date/Time | 01/15/2013 11:30 AM -0800 |

| | |
|---------------------------|---------------------------|
| Observation end Date/Time | 01/16/2013 09:12 AM -0800 |
|---------------------------|---------------------------|

Diagnosis information - 1

| Element | Data |
|-------------------------|------|
| Priority | 2 |
| Diagnosis ICD-10CM Code | I10 |
| Diagnosis type | F |

Diagnosis information - 2

| Element | Data |
|-------------------------|--------|
| Priority | 1 |
| Diagnosis ICD-10CM Code | O10.93 |
| Diagnosis type | W |

Observation Result - 1

| Element | Data |
|-------------------------------------|--------------------------------|
| Observation Identifier (LOINC code) | 67471-3 |
| Observation Identifier (local code) | 1903 |
| Observation Value | early pregnancy (pre 12 weeks) |
| Observation Result status | O |
| Date/Time of the Observation | 01/15/2013 |
| Observation Type | SCI |

Observation Result - 2

| Element | Data |
|-------------------------------------|------------|
| Observation Identifier (LOINC code) | 3167-4 |
| Observation Identifier (local code) | 1904 |
| Observation Value | 1250 |
| Units | ml |
| Observation Result status | O |
| Date/Time of the Observation | 01/16/2013 |
| Observation Type | SCI |

Specimen Details

| Element | Data |
|----------------------------|---------------------------|
| Type | 24 hour urine |
| Collection Start Date/Time | 01/15/2013 11:30 AM -0800 |
| Collection End Date/Time | 01/16/2013 09:12 AM -0800 |

MSH|^~&#|NIST EHR^2.16.840.1.113883.3.72.5.22^ISO|NIST EHR Facility^2.16.840.1.113883.3.72.5.23^ISO|NIST Test Lab APP^2.16.840.1.113883.3.72.5.20^ISO|NIST Lab Facility^2.16.840.1.113883.3.72.5.21^ISO|20130211184101-0500||OML^O21^OML_O21|NIST-LOI_9.0_1.1-GU_PRU|T|2.5.1||AL|AL||||LOI_Common_Component^LOI Base Profile^2.16.840.1.113883.9.66^ISO~LOI_GU_Component^LOI GU Profile^2.16.840.1.113883.9.78^ISO~LAB_PRU_Component^LOI PRU Profile^2.16.840.1.113883.9.82^ISO

PID|1||PATID14567^^^NIST MPI&2.16.840.1.113883.3.72.5.30.2&ISO^MR||Hernandez^Maria^^^^^L||19880906|F||2054-5^Black or African American^HL70005|3248 E Florence Ave^^Huntington Park^CA^90255^H||^PH^^^323^5825421||||||H^Hispanic or Latino^HL70189

ORC|NW|ORD231-1^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||||||20130116090021-0800||134569827^Feller^Hans^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^NPI

OBR|1|ORD231-1^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||34555-3^Creatinine 24H renal clearance panel^LN^^^^^^Creatinine Clearance||201301151130-0800|201301160912-0800||||||134569827^Feller^Hans^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^NPI

DG1|1||I10^Essential (primary) hypertension^I10C^^^^^^Hypertension, NOS||F||||||2

DG1|2||O10.93^Unspecified pre-existing hypertension complicating the puerperium^I10C^^^^^^Pregnancy with chronic hypertension||W||||||1

OBX|1|CWE|67471-3^Pregnancy status^LN^1903^Pregnancy status^99USL^2.44^^Is the patient pregnant?||Y^Yes^HL70136^1^Yes, confirmed less than 12 weeks^99USL^2.5.1^^early pregnancy (pre 12 weeks)|||O||20130115|||||||SCI

OBX|2|NM|3167-4^Volume of 24 hour Urine^LN^1904^Urine Volume of 24 hour collection^99USL^2.44^^Urine Volume 24hour collection||1250|ml^milliliter^UCUM^ml^milliliter^L^1.7^^ml|||O||20130116|||||||SCI

OBX|3|NM|3141-9^Body weight Measured^LN^BWm^Body weight Measured^99USL^2.44^^patient weight measured in kg||59.5|kg^kilogram^UCUM|||O||20130116|||||||SCI

SPM|1|S-2312987-1&NIST EHR&2.16.840.1.113883.3.72.5.24&ISO||276833005^24 hour urine sample (specimen)^SCT^UR24H^24hr Urine^99USL^^24 hour urine|||||||201301151130-0800^201301160912-0800

SPM|2|S-2312987-2&NIST EHR&2.16.840.1.113883.3.72.5.24&ISO||119297000^Blood Specimen^SCT|||||||201301160912-0800

ORC|NW|ORD231-2^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||||||20130115102146-0800||134569827^Feller^Hans^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^NPI

OBR|2|ORD231-2^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||21482-5^Protein [Mass/volume] in 24 hour Urine^LN^^^^^^24 hour Urine Protein||201301151130-0800|201301160912-0800||||||134569827^Feller^Hans^^^^^^NPI&2.16.840.1.113883.4.6&ISO^L^^NPI

DG1|1||I10^Essential (primary) hypertension^I10C^^^^^^Hypertension, NOS||F||||||2

DG1|2||O10.93^Unspecified pre-existing hypertension complicating the puerperium^I10C^^^^^^Pregnancy with chronic hypertension||W||||||1

OBX|1|CWE|67471-3^Pregnancy status^LN^1903^Pregnancy status^99USL^2.44^^Is the patient pregnant?||Y^Yes^HL70136^1^Yes, confirmed less than 12 weeks^99USL^2.5.1^^early pregnancy (pre 12 weeks)|||O||20130115|||||||SCI

OBX|2|NM|3167-4^Volume of 24 hour Urine^LN^1904^Urine Volume of 24 hour collection^99USL^2.44^^Urine Volume 24hour collection||1250|ml^milliliter^UCUM^ml^milliliter^L^1.7^^ml|||O||20130116|||||||SCI

SPM|1|S-2312987-1&NIST EHR&2.16.840.1.113883.3.72.5.24&ISO||276833005^24 hour urine sample (specimen)^SCT^UR24H^24hr Urine^99USL^^24 hour urine|||||||201301151130-0800^201301160912-0800