

Description

Ms Hettie Nguyen is a 17 year old Asian-American female patient accompanied by her mother who presents to her pediatrician, Dr Ellen Yu for weakness, wt loss, and fatigue. Dr Yu orders a Complete Metabolic Profile (CMP), a Comprehensive Blood Count (CBC) and a TSH test from Century Hospital's clinical laboratory as part of her basic work up for her patient. The laboratory tests are ordered through Dr Yu's EHR and the patient is instructed to visit the laboratory's patient service center the next day after fasting overnight.

PreCondition

No Pre Condition

PostCondition

No Post Condition

TestObjectives

- Demonstrate capability support the PRU Profile to create unique identifiers in OBR-2 and ORC-2 (Placer Order Number) that do not require additional information such as OBR-4 (Universal Service Identifier) to identify the order.
- Demonstrate the capability to support an individual as Guardian/Associated Party in the Next Of Kin Segment (NK1).
- Demonstrate the capability to support Timing_Qty Group and Timing/Quantity Segment (TQ1).
- Demonstrate the capability to correctly populate TQ1 for future order.
- Maximally populated PID Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the PID segment (PID-29 and PID-30 are exceptions. There are currently no test stories that support these elements).
- Maximally populated NK1 Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the NK1 segment (NK1-11 and NK1-13 are exceptions, NK1-13 is maximally populated in Test case LOI_5, NK1-11 is not tested) - tested to upper limit of cardinality.
- Maximally populated TQ1 Segment - Demonstrate the capability of the EHR to support all supported data elements including repeating elements in the TQ1 segment.

Test Case Information

NIST-LOI_7.0_1.1-GU_PRU - GHP

Test Case ID

LOI_7.0_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_7.0_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_GU_PRU_Profile | Test Case Fixed Data |
| MSH.21.2 | Namespace ID | LOI Base + PRU + GU | Changeable Data |
| MSH.21.3 | Universal ID | 2.16.840.1.113883.9.85 | Test Case Fixed Data |
| MSH.21.4 | Universal ID Type | ISO | IG Fixed Data |

PID

| Location | Data Element | Data | Categorization |
|-----------------|--------------------------------|-------------------------------|-------------------|
| PID.1 | Set ID - PID | 1 | IG Fixed Data |
| PID.3 | Patient Identifier List | | |
| PID.3.1 | ID Number | PATID70 | 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.3[2] | Patient Identifier List | | |
| PID.3[2].1 | ID Number | 000-00-0000 | Configurable Data |

| PID.3[2].4 | Assigning Authority | Data Element | Data | Categorization |
|-------------------|--|---|-------------|-----------------------|
| PID.3[2].4.1 | Namespace ID | SSN | | Configurable Data |
| PID.3[2].4.2 | Universal ID | 2.16.840.1.113883.4.1 | | Configurable Data |
| PID.3[2].4.3 | Universal ID Type | ISO | | IG Fixed Data |
| PID.3[2].5 | Identifier Type Code | SS | | Changeable Data |
| PID.5 | Patient Name | | | |
| PID.5.1 | Family Name | | | |
| PID.5.1.1 | Surname | Nguyen | | Changeable Data |
| PID.5.2 | Given Name | Thuy | | Changeable Data |
| PID.5.3 | Second and Further Given Names or Initials Thereof | Thi | | Changeable Data |
| PID.5.4 | Suffix (e.g., JR or III) | III | | Changeable Data |
| PID.5.7 | Name Type Code | L | | Changeable Data |
| PID.7 | Date/Time of Birth | | | |
| PID.7.1 | Date/Time | 19951010 | | Changeable Data |
| PID.8 | Administrative Sex | F | | Changeable Data |
| PID.10 | Race | | | |
| PID.10.1 | Identifier | 2028-9 | | Changeable Data |
| PID.10.2 | Text | Asian | | Changeable Data |
| PID.10.3 | Name of Coding System | HL70005 | | IG Fixed Data |
| PID.10.7 | Coding System Version ID | 2.5.1 | | Changeable Data |
| PID.10.9 | Original Text | Asian | | Changeable Data |
| PID.10[2] | Race | | | |
| PID.10[2].1 | Identifier | 2076-8 | | Changeable Data |
| PID.10[2].2 | Text | Native Hawaiian or Other Pacific Islander | | Changeable Data |
| PID.10[2].3 | Name of Coding System | HL70005 | | IG Fixed Data |
| PID.10[2].7 | Coding System Version ID | 2.5.1 | | Changeable Data |
| PID.10[2].9 | Original Text | Other Race | | Changeable Data |
| PID.11 | Patient Address | | | |
| PID.11.1 | Street Address | | | |
| PID.11.1.1 | Street or Mailing Address | 1447 North Mar Vista | | Changeable Data |
| PID.11.2 | Other Designation | Apt 2 | | Changeable Data |
| PID.11.3 | City | Pasadena | | Changeable Data |
| PID.11.4 | State or Province | CA | | Changeable Data |
| PID.11.5 | Zip or Postal Code | 91104 | | Changeable Data |
| PID.11.6 | Country Code | USA | | Changeable Data |
| PID.11.7 | Address Type | H | | Test Case Fixed Data |
| PID.11[2] | Patient Address | | | |
| PID.11[2].1 | Street Address | | | |
| PID.11[2].1.1 | Street or Mailing Address | 25 West Mission Rd | | Changeable Data |
| PID.11[2].2 | Other Designation | Apt 2c | | Changeable Data |
| PID.11[2].3 | City | Alhambra | | Changeable Data |
| PID.11[2].4 | State or Province | CA | | Changeable Data |
| PID.11[2].5 | Zip or Postal Code | 91801 | | Changeable Data |
| PID.11[2].6 | Country Code | USA | | Changeable Data |
| PID.11[2].7 | Address Type | H | | Changeable Data |
| PID.22 | Ethnic Group | | | |
| PID.22.1 | Identifier | N | | Changeable Data |
| PID.22.2 | Text | Not Hispanic or Latino | | Changeable Data |
| PID.22.3 | Name of Coding System | HL70189 | | IG Fixed Data |
| PID.22.7 | Coding System Version ID | 2.5.1 | | Changeable Data |
| PID.22.9 | Original Text | Not Hispanic or Latino | | Changeable Data |
| PID.30 | Patient Death Indicator | N | | Changeable Data |

NK1

| Location | Data Element | Data | Categorization |
|-----------------|---------------------|-------------|-----------------------|
| NK1.1 | Set ID - NK1 | 1 | IG Fixed Data |

| NK1.2 | Location | Name Data Element | Data | Categorization |
|-----------------|-----------------|--|-----------------------|-----------------------|
| NK1.2.1 | | Family Name | | |
| NK1.2.1.1 | | Surname | Nguyen | Changeable Data |
| NK1.2.2 | | Given Name | Thuy | Changeable Data |
| NK1.2.3 | | Second and Further Given Names or Initials Thereof | Thi | Changeable Data |
| NK1.2.4 | | Suffix (e.g., JR or III) | I | Changeable Data |
| NK1.2.7 | | Name Type Code | L | Changeable Data |
| NK1.3 | | Relationship | | |
| NK1.3.1 | | Identifier | MTH | Changeable Data |
| NK1.3.2 | | Text | Mother | Changeable Data |
| NK1.3.3 | | Name of Coding System | HL70063 | IG Fixed Data |
| NK1.3.7 | | Coding System Version ID | 2.5.1 | Changeable Data |
| NK1.3.9 | | Original Text | Mother | Changeable Data |
| NK1.4 | | Address | | |
| NK1.4.1 | | Street Address | | |
| NK1.4.1.1 | | Street or Mailing Address | 1447 North Mar Vista | Changeable Data |
| NK1.4.2 | | Other Designation | Apt 2 | Changeable Data |
| NK1.4.3 | | City | Pasadena | Changeable Data |
| NK1.4.4 | | State or Province | CA | Changeable Data |
| NK1.4.5 | | Zip or Postal Code | 91104 | Changeable Data |
| NK1.4.6 | | Country Code | USA | Changeable Data |
| NK1.4.7 | | Address Type | H | Changeable Data |
| NK1.4[2] | | Address | | |
| NK1.4[2].1 | | Street Address | | |
| NK1.4[2].1.1 | | Street or Mailing Address | 25 West Mission Rd | Changeable Data |
| NK1.4[2].2 | | Other Designation | Apt 2c | Changeable Data |
| NK1.4[2].3 | | City | Alhambra | Changeable Data |
| NK1.4[2].4 | | State or Province | CA | Changeable Data |
| NK1.4[2].5 | | Zip or Postal Code | 91801 | Changeable Data |
| NK1.4[2].6 | | Country Code | USA | Changeable Data |
| NK1.4[2].7 | | Address Type | H | Changeable Data |
| NK1.5 | | Phone Number | | |
| NK1.5.3 | | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| NK1.5.6 | | Area/City Code | 626 | Changeable Data |
| NK1.5.7 | | Local Number | 5555555 | Changeable Data |
| NK1.5.8 | | Extension | 1 | Changeable Data |
| NK1.5[2] | | Phone Number | | |
| NK1.5[2].3 | | Telecommunication Equipment Type | X.400 | Test Case Fixed Data |
| NK1.5[2].4 | | Email Address | Moms@email.com | Changeable Data |
| NK1.5[3] | | Phone Number | | |
| NK1.5[3].3 | | Telecommunication Equipment Type | X.400 | Test Case Fixed Data |
| NK1.5[3].4 | | Email Address | Dads@email.com | Changeable Data |
| NK1.5[4] | | Phone Number | | |
| NK1.5[4].3 | | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| NK1.5[4].6 | | Area/City Code | 626 | Changeable Data |
| NK1.5[4].7 | | Local Number | 4665599 | Changeable Data |
| NK1.7 | | Contact Role | | |
| NK1.7.1 | | Identifier | N | Changeable Data |
| NK1.7.2 | | Text | Next-of-Kin | Changeable Data |
| NK1.7.3 | | Name of Coding System | HL70131 | IG Fixed Data |
| NK1.7.7 | | Coding System Version ID | 2.5.1 | Changeable Data |
| NK1.7.9 | | Original Text | Next of Kin | Changeable Data |
| NK1.11 | | Next of Kin / Associated Parties Job Code/Class | | |
| NK1.11.3 | | Job Description Text | Laboratory Technician | Changeable Data |

| Location | Data Element | Data | Categorization |
|--------------|--|----------------------|----------------------|
| NK1.1 | Set ID - NK1 | 2 | IG Fixed Data |
| NK1.2 | Name | | |
| NK1.2.1 | Family Name | | |
| NK1.2.1.1 | Surname | Nguyen | Changeable Data |
| NK1.2.2 | Given Name | Tran | Changeable Data |
| NK1.2.3 | Second and Further Given Names or Initials Thereof | Van | Changeable Data |
| NK1.2.4 | Suffix (e.g., JR or III) | II | Changeable Data |
| NK1.2.7 | Name Type Code | L | Changeable Data |
| NK1.3 | Relationship | | |
| NK1.3.1 | Identifier | FTH | Changeable Data |
| NK1.3.2 | Text | Father | Changeable Data |
| NK1.3.3 | Name of Coding System | HL70063 | IG Fixed Data |
| NK1.3.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| NK1.3.9 | Original Text | Father | Changeable Data |
| NK1.4 | Address | | |
| NK1.4.1 | Street Address | | |
| NK1.4.1.1 | Street or Mailing Address | 25 West Mission Rd | Changeable Data |
| NK1.4.2 | Other Designation | Apt 2c | Changeable Data |
| NK1.4.3 | City | Alhambra | Changeable Data |
| NK1.4.4 | State or Province | CA | Changeable Data |
| NK1.4.5 | Zip or Postal Code | 91801 | Changeable Data |
| NK1.4.6 | Country Code | USA | Changeable Data |
| NK1.4.7 | Address Type | H | Changeable Data |
| NK1.4[2] | Address | | |
| NK1.4[2].1 | Street Address | | |
| NK1.4[2].1.1 | Street or Mailing Address | 1447 North Mar Vista | Changeable Data |
| NK1.4[2].2 | Other Designation | Apt 2 | Changeable Data |
| NK1.4[2].3 | City | Pasadena | Changeable Data |
| NK1.4[2].4 | State or Province | CA | Changeable Data |
| NK1.4[2].5 | Zip or Postal Code | 91104 | Changeable Data |
| NK1.4[2].6 | Country Code | USA | Changeable Data |
| NK1.4[2].7 | Address Type | H | Changeable Data |
| NK1.5 | Phone Number | | |
| NK1.5.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| NK1.5.6 | Area/City Code | 626 | Changeable Data |
| NK1.5.7 | Local Number | 5555556 | Changeable Data |
| NK1.5.8 | Extension | 2 | Changeable Data |
| NK1.5[2] | Phone Number | | |
| NK1.5[2].3 | Telecommunication Equipment Type | X.400 | Test Case Fixed Data |
| NK1.5[2].4 | Email Address | Dads@email.com | Changeable Data |
| NK1.5[3] | Phone Number | | |
| NK1.5[3].3 | Telecommunication Equipment Type | X.400 | Test Case Fixed Data |
| NK1.5[3].4 | Email Address | Moms@email.com | Changeable Data |
| NK1.5[4] | Phone Number | | |
| NK1.5[4].3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| NK1.5[4].6 | Area/City Code | 626 | Changeable Data |
| NK1.5[4].7 | Local Number | 3455555 | Changeable Data |
| NK1.7 | Contact Role | | |
| NK1.7.1 | Identifier | N | Changeable Data |
| NK1.7.2 | Text | Next-of-Kin | Changeable Data |
| NK1.7.3 | Name of Coding System | HL70131 | IG Fixed Data |
| NK1.7.7 | Coding System Version ID | 2.5.1 | Changeable Data |
| NK1.7.9 | Original Text | Next of Kin | Changeable Data |
| NK1.11 | Next of Kin / Associated Parties Job Code/Class | | |

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

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 | ORD70 | 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.4 | Placer Group Number | | |
| ORC.4.1 | Entity Identifier | GRP7 | Changeable Data |
| ORC.4.2 | Namespace ID | NIST EHR | Configurable Data |
| ORC.4.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.4.4 | Universal ID Type | ISO | IG Fixed Data |
| ORC.9 | Date/Time of Transaction | | |
| ORC.9.1 | Time | 201302191530 | System Generated |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 2554560005 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Yu | Changeable Data |
| ORC.12.3 | Given Name | Ellen | 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 |
| ORC.14 | Call Back Phone Number | | |
| ORC.14.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| ORC.14.6 | Area/City Code | 626 | Changeable Data |
| ORC.14.7 | Local Number | 5555555 | Changeable Data |

TQ1

| Location | Data Element | Data | Categorization |
|--------------|------------------------|--------------|-----------------|
| TQ1.1 | Set ID - TQ1 | 1 | IG Fixed Data |
| TQ1.7 | Start date/time | | |
| TQ1.7.1 | Date/Time | 20130220 | Changeable Data |
| TQ1.8 | End date/time | | |
| TQ1.8.1 | Date/Time | 20130319 | Changeable Data |
| TQ1.9 | Priority | | |
| TQ1.9.1 | Identifier | F | Changeable Data |
| TQ1.9.2 | Text | Future Order | Changeable Data |
| TQ1.9.3 | Name of Coding System | 99USL | IG Fixed Data |
| TQ1.9.9 | Original Text | Future Order | 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 | ORD70 | 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 | 100 | Test Case Fixed Data |
| OBR.4.2 | Text | CMP | Changeable Data |

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|--|----------------------|
| OBR.4.3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OBR.4.4 | Alternate Identifier | 24323-8 | Test Case Fixed Data |
| OBR.4.5 | Alternate Text | Comprehensive metabolic 2000 panel - Serum or Plasma | Changeable Data |
| OBR.4.6 | Name of Alternate Coding System | LN | Changeable Data |
| OBR.4.7 | Coding System Version ID | 20130421 | Changeable Data |
| OBR.4.9 | Original Text | CMP | Changeable Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 2554560005 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Yu | Changeable Data |
| OBR.16.3 | Given Name | Ellen | 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 |
| OBR.17 | Order Call-back Phone Number | | |
| OBR.17.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| OBR.17.6 | Area/City Code | 626 | Changeable Data |
| OBR.17.7 | Local Number | 5555555 | 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 | E05.90 | Test Case Fixed Data |
| DG1.3.2 | Text | Hyperthyroidism (latent) (pre-adult) (recurrent) | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.6 | Diagnosis Type | W | Changeable Data |
| DG1.15 | Diagnosis Priority | 1 | 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 | R53.83 | Test Case Fixed Data |
| DG1.3.2 | Text | Other fatigue | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed 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 | 3 | IG Fixed Data |
| DG1.3 | Diagnosis Code - DG1 | | |
| DG1.3.1 | Identifier | R63.4 | Test Case Fixed Data |
| DG1.3.2 | Text | abnormal weight loss | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.6 | Diagnosis Type | F | Changeable Data |
| DG1.15 | Diagnosis Priority | 3 | Changeable Data |

ORC

| Location | Data Element | Data | Categorization |
|--------------|----------------------------|------|----------------------|
| ORC.1 | Order Control | NW | Test Case Fixed Data |
| ORC.2 | Placer Order Number | | |

| Location | Data Element | Data | Categorization |
|---------------|----------------------------------|-----------------------------|----------------------|
| ORC.2.1 | Entity Identifier | ORD71 | 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.4 | Placer Group Number | | |
| ORC.4.1 | Entity Identifier | GRP7 | Changeable Data |
| ORC.4.2 | Namespace ID | NIST EHR | Configurable Data |
| ORC.4.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.4.4 | Universal ID Type | ISO | IG Fixed Data |
| ORC.9 | Date/Time of Transaction | | |
| ORC.9.1 | Time | 201302191530 | System Generated |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 2554560005 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Yu | Changeable Data |
| ORC.12.3 | Given Name | Ellen | 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 |
| ORC.14 | Call Back Phone Number | | |
| ORC.14.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| ORC.14.6 | Area/City Code | 626 | Changeable Data |
| ORC.14.7 | Local Number | 5555555 | Changeable Data |

TQ1

| Location | Data Element | Data | Categorization |
|--------------|------------------------|--------------|-----------------|
| TQ1.1 | Set ID - TQ1 | 1 | IG Fixed Data |
| TQ1.7 | Start date/time | | |
| TQ1.7.1 | Date/Time | 20130220 | Changeable Data |
| TQ1.8 | End date/time | | |
| TQ1.8.1 | Date/Time | 20130319 | Changeable Data |
| TQ1.9 | Priority | | |
| TQ1.9.1 | Identifier | F | Changeable Data |
| TQ1.9.2 | Text | Future Order | Changeable Data |
| TQ1.9.3 | Name of Coding System | 99USL | IG Fixed Data |
| TQ1.9.9 | Original Text | Future Order | 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 | ORD71 | 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 | 200 | Test Case Fixed Data |
| OBR.4.2 | Text | CBC_diff | Changeable Data |
| OBR.4.3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OBR.4.4 | Alternate Identifier | 57021-8 | Test Case Fixed Data |
| OBR.4.5 | Alternate Text | CBC W Auto Differential panel in Blood | Changeable Data |
| OBR.4.6 | Name of Alternate Coding System | LN | Changeable Data |
| OBR.4.7 | Coding System Version ID | 20130421 | Changeable Data |
| OBR.4.9 | Original Text | Complete Blood Count | Changeable Data |

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|-----------------------|----------------------|
| OBR.16.1 | ID Number | 2554560005 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Yu | Changeable Data |
| OBR.16.3 | Given Name | Ellen | 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 |
| OBR.17 | Order Call-back Phone Number | | |
| OBR.17.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| OBR.17.6 | Area/City Code | 626 | Changeable Data |
| OBR.17.7 | Local Number | 5555555 | 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 | R53.83 | Test Case Fixed Data |
| DG1.3.2 | Text | Other fatigue | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.6 | Diagnosis Type | F | Changeable Data |
| DG1.15 | Diagnosis Priority | 1 | 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 | ORD72 | 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.4 | Placer Group Number | | |
| ORC.4.1 | Entity Identifier | GRP7 | Changeable Data |
| ORC.4.2 | Namespace ID | NIST EHR | Configurable Data |
| ORC.4.3 | Universal ID | 2.16.840.1.113883.3.72.5.24 | Configurable Data |
| ORC.4.4 | Universal ID Type | ISO | IG Fixed Data |
| ORC.9 | Date/Time of Transaction | | |
| ORC.9.1 | Time | 201302191530 | System Generated |
| ORC.12 | Ordering Provider | | |
| ORC.12.1 | ID Number | 2554560005 | Changeable Data |
| ORC.12.2 | Family Name | | |
| ORC.12.2.1 | Surname | Yu | Changeable Data |
| ORC.12.3 | Given Name | Ellen | 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 |
| ORC.14 | Call Back Phone Number | | |
| ORC.14.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| ORC.14.6 | Area/City Code | 626 | Changeable Data |
| ORC.14.7 | Local Number | 5555555 | Changeable Data |

TQ1

| Location | Data Element | Data | Categorization |
|--------------|------------------------|--------------|-----------------|
| TQ1.1 | Set ID - TQ1 | 1 | IG Fixed Data |
| TQ1.7 | Start date/time | | |
| TQ1.7.1 | Date/Time | 20130220 | Changeable Data |
| TQ1.8 | End date/time | | |
| TQ1.8.1 | Date/Time | 20130319 | Changeable Data |
| TQ1.9 | Priority | | |
| TQ1.9.1 | Identifier | F | Changeable Data |
| TQ1.9.2 | Text | Future Order | Changeable Data |
| TQ1.9.3 | Name of Coding System | 99USL | IG Fixed Data |
| TQ1.9.9 | Original Text | Future Order | Changeable Data |

OBR

| Location | Data Element | Data | Categorization |
|---------------|-------------------------------------|---|----------------------|
| OBR.1 | Set ID - OBR | 3 | IG Fixed Data |
| OBR.2 | Placer Order Number | | |
| OBR.2.1 | Entity Identifier | ORD72 | 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 | 700 | Test Case Fixed Data |
| OBR.4.2 | Text | TSH | Changeable Data |
| OBR.4.3 | Name of Coding System | 99USL | Test Case Fixed Data |
| OBR.4.4 | Alternate Identifier | 3016-3 | Test Case Fixed Data |
| OBR.4.5 | Alternate Text | Thyrotropin [Units/volume] in Serum or Plasma | Changeable Data |
| OBR.4.6 | Name of Alternate Coding System | LN | Changeable Data |
| OBR.4.7 | Coding System Version ID | 20130421 | Changeable Data |
| OBR.4.9 | Original Text | TSH - Serum | Changeable Data |
| OBR.16 | Ordering Provider | | |
| OBR.16.1 | ID Number | 2554560005 | Changeable Data |
| OBR.16.2 | Family Name | | |
| OBR.16.2.1 | Surname | Yu | Changeable Data |
| OBR.16.3 | Given Name | Ellen | 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 |
| OBR.17 | Order Call-back Phone Number | | |
| OBR.17.3 | Telecommunication Equipment Type | PH | Test Case Fixed Data |
| OBR.17.6 | Area/City Code | 626 | Changeable Data |
| OBR.17.7 | Local Number | 5555555 | 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 | E05.90 | Test Case Fixed Data |
| DG1.3.2 | Text | Hyperthyroidism (latent) (pre-adult) (recurrent) | Changeable Data |
| DG1.3.3 | Name of Coding System | I10C | Test Case Fixed Data |
| DG1.6 | Diagnosis Type | W | Changeable Data |
| DG1.15 | Diagnosis Priority | 1 | Changeable Data |

Patient Information

| Element | Data |
|--------------------|---|
| Patient Name | Thuy Thi Nguyen III |
| Administrative Sex | Female |
| Date/Time of Birth | 10/10/1995 |
| Patient Address | 1447 North Mar Vista Apt 2 Pasadena CA 91104 USA |
| Patient Address | 25 West Mission Rd Apt 2c Alhambra CA 91801 USA |
| Race | Asian |
| Race | Other Race |
| Ethnic group | Not Hispanic or Latino |

Next of kin[*]**Next of kin information - 1**

| Element | Data |
|---|---|
| Relationship | Mother |
| Name | Thuy Thi Nguyen I |
| Address | 1447 North Mar Vista Apt 2 Pasadena CA 91104 USA |
| Address | 25 West Mission Rd Apt 2c Alhambra CA 91801 USA |
| Phone number | (626)555 - 5555 ext 1 |
| Email address | Moms@email.com |
| Email address | Dads@email.com |
| Phone number | (626)466 - 5599 |
| Contact role | Next of Kin |
| Next of kin/Associated parties job code/Class | Laboratory Technician |

Next of kin information - 2

| Element | Data |
|---|---|
| Relationship | Father |
| Name | Tran Van Nguyen II |
| Address | 25 West Mission Rd Apt 2c Alhambra CA 91801 USA |
| Address | 1447 North Mar Vista Apt 2 Pasadena CA 91104 USA |
| Phone number | (626)555 - 5556 ext 2 |
| Email address | Dads@email.com |
| Email address | Moms@email.com |
| Phone number | (626)345 - 5555 |
| Contact role | Next of Kin |
| Next of kin/Associated parties job code/Class | Laboratory Technician |

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

| Element | Data |
|-------------------------|-----------------|
| Provider Name | Ellen Yu |
| Provider NPI identifier | 2554560005 |
| Call Back Phone number | (626)555 - 5555 |

General order information

| Element | Data |
|--------------------------|---------------------|
| Placer Order Number | ORD70 |
| Placer Group Number | GRP7 |
| Order Control | NW |
| Date/Time of Transaction | 02/19/2013 03:30 PM |

Timing/Quantity Information

| Element | Data |
|-----------------|--------------|
| Start Date/time | 02/20/2013 |
| End date/time | 03/19/2013 |
| Priority | Future Order |

Order details

| Element | Data |
|------------------------------|------|
| Universal Service Identifier | CMP |

Diagnosis information - 1

| Element | Data |
|-------------------------|--------|
| Priority | 1 |
| Diagnosis ICD-10CM Code | E05.90 |
| Diagnosis type | W |

Diagnosis information - 2

| Element | Data |
|-------------------------|--------|
| Priority | 2 |
| Diagnosis ICD-10CM Code | R53.83 |
| Diagnosis type | F |

Diagnosis information - 3

| Element | Data |
|-------------------------|-------|
| Priority | 3 |
| Diagnosis ICD-10CM Code | R63.4 |
| Diagnosis type | F |

Order**Ordering Provider**

| Element | Data |
|---------------|----------|
| Provider Name | Ellen Yu |

| | |
|-------------------------|-----------------|
| Provider NPI identifier | 2554560005 |
| Call Back Phone number | (626)555 - 5555 |

General order information

| Element | Data |
|--------------------------|---------------------|
| Placer Order Number | ORD71 |
| Placer Group Number | GRP7 |
| Order Control | NW |
| Date/Time of Transaction | 02/19/2013 03:30 PM |

Timing/Quantity Information

| Element | Data |
|-----------------|--------------|
| Start Date/time | 02/20/2013 |
| End date/time | 03/19/2013 |
| Priority | Future Order |

Order details

| Element | Data |
|------------------------------|----------|
| Universal Service Identifier | CBC_diff |

Diagnosis information

| Element | Data |
|-------------------------|--------|
| Priority | 1 |
| Diagnosis ICD-10CM Code | R53.83 |
| Diagnosis type | F |

Order

Ordering Provider

| Element | Data |
|-------------------------|-----------------|
| Provider Name | Ellen Yu |
| Provider NPI identifier | 2554560005 |
| Call Back Phone number | (626)555 - 5555 |

General order information

| Element | Data |
|--------------------------|---------------------|
| Placer Order Number | ORD72 |
| Placer Group Number | GRP7 |
| Order Control | NW |
| Date/Time of Transaction | 02/19/2013 03:30 PM |

Timing/Quantity Information

| Element | Data |
|-----------------|--------------|
| Start Date/time | 02/20/2013 |
| End date/time | 03/19/2013 |
| Priority | Future Order |

Order details

| Element | Data |
|---------|------|
|---------|------|

| | |
|------------------------------|-----|
| Universal Service Identifier | TSH |
|------------------------------|-----|

Diagnosis information

| Element | Data |
|-------------------------|--------|
| Priority | 1 |
| Diagnosis ICD-10CM Code | E05.90 |
| Diagnosis type | W |

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_7.0_1.1-GU_PRU|T|2.5.1||AL|AL||||LOI_GU_PRU_Profile^LOI Base + PRU + GU^2.16.840.1.113883.9.85^ISO

PID|1||PATID70^NIST MPI&2.16.840.1.113883.3.72.5.30.2&ISO^MR~000-00-0000^SSN&2.16.840.1.113883.4.1&ISO^SS|Nguyen^Thuy^Thi^III^L|19951010|F|2028-9^Asian^HL70005^2.5.1^Asian~2076-8^Native Hawaiian or Other Pacific Islander^HL70005^2.5.1^Other Race|1447 North Mar Vista^Apt 2^Pasadena^CA^91104^USA^H~25 West Mission Rd^Apt 2c^Alhambra^CA^91801^US^SA^H||||||N^Not Hispanic or Latino^HL70189^2.5.1^Not Hispanic or Latino||||||N

NK1|1|Nguyen^Thuy^Thi^I^L|MTH^Mother^HL70063^2.5.1^Mother|1447 North Mar Vista^Apt 2^Pasadena^CA^91104^USA^H~25 West Mission Rd^Apt 2c^Alhambra^CA^91801^USA^H|^PH^626^5555555^1~X.400^Moms@email.com~X.400^Dads@email.com~PH^626^4665599||N^Next-of-Kin^HL70131^2.5.1^Next of Kin||^Laboratory Technician

NK1|2|Nguyen^Tran^Van^II^L|FTH^Father^HL70063^2.5.1^Father|25 West Mission Rd^Apt 2c^Alhambra^CA^91801^USA^H~1447 North Mar Vista^Apt 2^Pasadena^CA^91104^USA^H|^PH^626^5555556^2~X.400^Dads@email.com~X.400^Moms@email.com~PH^626^3455555||N^Next-of-Kin^HL70131^2.5.1^Next of Kin||^Laboratory Technician

ORC|NW|ORD70^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||GRP7^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||||201302191530||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

TQ1|1||||20130220|20130319|F^Future Order^99USL^Future Order

OBR|1|ORD70^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||100^CMP^99USL^24323-8^Comprehensive metabolic 2000 panel - Serum or Plasma^LN^20130421^CMP||||||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

DG1|1||E05.90^Hyperthyroidism (latent) (pre-adult) (recurrent)^I10C||W|||||1

DG1|2||R53.83^Other fatigue^I10C||F|||||2

DG1|3||R63.4^abnormal weight loss^I10C||F|||||3

ORC|NW|ORD71^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||GRP7^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||||201302191530||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

TQ1|1||||20130220|20130319|F^Future Order^99USL^Future Order

OBR|2|ORD71^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||200^CBC_diff^99USL^57021-8^CBC W Auto Differential panel in Blood^LN^20130421^Complete Blood Count||||||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

DG1|1||R53.83^Other fatigue^I10C||F|||||1

ORC|NW|ORD72^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||GRP7^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||||201302191530||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

TQ1|1||||20130220|20130319|F^Future Order^99USL^Future Order

OBR|3|ORD72^NIST EHR^2.16.840.1.113883.3.72.5.24^ISO||700^TSH^99USL^3016-3^Thyrotropin [Units/volume] in Serum or Plasma^LN^20130421^TSH - Serum||||||2554560005^Yu^Ellen^NPI&2.16.840.1.113883.4.6&ISO^L^NPI|^PH^626^5555555

DG1|1||E05.90^Hyperthyroidism (latent) (pre-adult) (recurrent)^I10C||W|||||1