# Results Section: XML Example Introduction

This is an example of the Results Section with coded entries required for the MU2 specified vocabulary.

# Narrative Description

* Cholesterol - 176 mg/dL (normal)
* Triglyceride - 100 mg/dL (normal)
* HDL - 60 mg/dL (normal)
* LDL - 116 mg/dL (normal)

# Coded Data

|  |  |
| --- | --- |
| Cholesterol | |
| Code | 2093-3 Cholesterol [Mass/volume] in Serum or Plasma  Code System = LOINC (2.16.840.1.113883.6.1) |
| Observed Value | 176 mg/dL |
| Interpretation Code | N  Normal  Code System = ObservationInterpretation (2.16.840.1.113883.5.83) |
| Reference Range | Recommended: 0-199; Moderate Risk: 200-239; High Risk: 240+ |

|  |  |
| --- | --- |
| Triglyceride | |
| Code | 2571-8 Triglyceride [Mass/volume] in Serum or Plasma  Code System = LOINC (2.16.840.1.113883.6.1) |
| Observed Value | 100 mg/dL |
| Interpretation Code | N  Normal  Code System = ObservationInterpretation (2.16.840.1.113883.5.83) |
| Reference Range | Range: 40 to 160 |

|  |  |
| --- | --- |
| HDL | |
| Code | 2085-9 Cholesterol in HDL [Mass/volume]  Code System = LOINC (2.16.840.1.113883.6.1) |
| Observed Value | 60 mg/dL |
| Interpretation Code | N  Normal  Code System = ObservationInterpretation (2.16.840.1.113883.5.83) |
| Reference Range | Range: 29 to 72 |

|  |  |
| --- | --- |
| LDL | |
| Code | 49132-4 Cholesterol in LDL [Mass/volume] in Serum or Plasma  Code System = LOINC (2.16.840.1.113883.6.1) |
| Observed Value | 116 mg/dL |
| Interpretation Code | N  Normal  Code System = ObservationInterpretation (2.16.840.1.113883.5.83) |
| Reference Range | Recommended: 0-129; Moderate Risk: 130-159; High Risk: 160+ |

# Sample XML

<component>  
 <section>  
 <!-- Results Section with Entries Required -->  
 <templateId root="2.16.840.1.113883.10.20.22.2.3.1"/>  
 <code code="30954-2" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"  
 displayName="RESULTS"/>  
 <title>RESULTS</title>  
 <text>  
 <list listType="ordered">  
 <item><content ID="result1">Cholesterol - 176 mg/dL (normal)</content></item>  
 <item><content ID="result2">Triglyceride - 100 mg/dL (normal)</content></item>  
 <item><content ID="result3">HDL - 60 mg/dL (normal)</content></item>  
 <item><content ID="result4">LDL - 116 mg/dL (normal)</content></item>  
 </list>  
 </text>  
 <entry typeCode="DRIV">  
 <organizer classCode="BATTERY" moodCode="EVN">  
 <!-- Result organizer template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.1"/>  
 <id root="ddeb44f2-1085-49f3-b5f5-217060b8af2a"/>  
 <code xsi:type="CE" code="24331-1"  
 displayName="Lipid 1996 panel in Serum or Plasma"  
 codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>  
 <statusCode code="completed"/>  
 <component>  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Result observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.2"/>  
 <id root="8f6e2505-1ba8-4623-9905-79eac6a5c604"/>  
 <code xsi:type="CE" code="2093-3"  
 displayName="Cholesterol [Mass/volume] in Serum or Plasma"  
 codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>  
 <text>  
 <reference value="#result1"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime value="20110914"/>  
 <value xsi:type="PQ" value="176" unit="mg/dL"/>  
 <interpretationCode code="n" displayName="Normal"  
 codeSystem="2.16.840.1.113883.5.83"  
 codeSystemName="ObservationInterpretation"/>  
 <referenceRange>  
 <observationRange>  
 <text>Recommended: 0-199; Moderate Risk: 200-239; High Risk:  
 240+</text>  
 </observationRange>  
 </referenceRange>  
 </observation>  
 </component>  
 <component>  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Result observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.2"/>  
 <id root="fa02997d-2848-4201-8249-a95ff367bd4f"/>  
 <code xsi:type="CE" code="2571-8"  
 displayName="Triglyceride [Mass/volume] in Serum or Plasma"  
 codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>  
 <text>  
 <reference value="#result2"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime value="20110914"/>  
 <value xsi:type="PQ" value="100" unit="mg/dL"/>  
 <interpretationCode code="n" displayName="Normal"  
 codeSystem="2.16.840.1.113883.5.83"  
 codeSystemName="ObservationInterpretation"/>  
 <referenceRange>  
 <observationRange>  
 <text>Range: 40 to 160</text>  
 </observationRange>  
 </referenceRange>  
 </observation>  
 </component>  
 <component>  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Result observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.2"/>  
 <id root="1ccf1b57-fa2e-405a-876d-f1177dc37f7f"/>  
 <code xsi:type="CE" code="2085-9"  
 displayName="Cholesterol in HDL [Mass/volume]"  
 codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>  
 <text>  
 <reference value="#result3"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime value="20110914"/>  
 <value xsi:type="PQ" value="60" unit="mg/dL"/>  
 <interpretationCode code="n" displayName="Normal"  
 codeSystem="2.16.840.1.113883.5.83"  
 codeSystemName="ObservationInterpretation"/>  
 <referenceRange>  
 <observationRange>  
 <text>Range: 29 to 72</text>  
 </observationRange>  
 </referenceRange>  
 </observation>  
 </component>  
 <component>  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Result observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.2"/>  
 <id root="9f5c44d8-15b1-4631-b966-4abfe1b773d0"/>  
 <code xsi:type="CE" code="49132-4"  
 displayName="Cholesterol in LDL [Mass/volume] in Serum or Plasma"  
 codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>  
 <text>  
 <reference value="#result4"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime value="20110914"/>  
 <value xsi:type="PQ" value="116" unit="mg/dL"/>  
 <interpretationCode code="n" displayName="Normal"  
 codeSystem="2.16.840.1.113883.5.83"  
 codeSystemName="ObservationInterpretation"/>  
 <referenceRange>  
 <observationRange>  
 <text>Recommended: 0-129; Moderate Risk: 130-159; High Risk:  
 160+</text>  
 </observationRange>  
 </referenceRange>  
 </observation>  
 </component>  
 </organizer>  
 </entry>  
 </section>  
 </component>

***Narrative Text for Human Review***

***Cholesterol***

***Code***

***Observed Value***

***and Interpretation***

***Cholesterol (continued)***

***Triglyceride***

***Code***

***Observed Value***

***and Interpretation***

***HDL***

***Code***

***Observed Value***

***and Interpretation***

***HDL (continued)***

***LDL***

***Code***

***Observed Value***

***and Interpretation***