# Problems Section: XML Example Introduction

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

# Narrative Description

* Sleep Apnea
* Patient experiencing flu symptoms including chills and fever

# Coded Data

|  |  |
| --- | --- |
| Sleep Apnea | |
| Onset | 3/23/2009 |
| Problem | 73430006  Sleep Apnea (unspecified)  Code System = SNOMED CT (2.16.840.1.113883.6.96) |

|  |  |
| --- | --- |
| Influenza | |
| Active Period | 1/22/2011 – 1/31/2011 |
| Symptoms | 43724002  Chill  Code System = SNOMED CT (2.16.840.1.113883.6.96)  386661006  Fever  Code System = SNOMED CT (2.16.840.1.113883.6.96) |
| Code | 6142004  Influenza  Code System = SNOMED CT (2.16.840.1.113883.6.96) |

# Sample XML

<component>  
 <section>  
 <!-- Problem Section with Coded Entries Required templateID -->  
 <templateId root="2.16.840.1.113883.10.20.22.2.5.1"/>  
 <code code="11450-4" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"  
 displayName="PROBLEM LIST"/>  
 <title>PROBLEMS</title>  
 <text><content ID="problems"/>  
 <list listType="ordered">  
 <item><content ID="problem1">Sleep Apnea</content></item>  
 <item><content ID="problem2">Patient experiencing flu symptoms including chills and fever</content></item>  
 </list>  
 </text>  
 <!-- Historical Problem Concern Act: Sleep Apnea -->  
 <entry>  
 <act classCode="ACT" moodCode="EVN">  
 <!-- Problem Concern Act template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.3"/>  
 <id root="bb0f815f-e056-44be-a7a3-e8f711786a7b"/>  
 <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Concern"/>  
 <statusCode code="active"/>  
 <effectiveTime>  
 <low value="20090323"/>  
 </effectiveTime>  
 <entryRelationship typeCode="SUBJ">  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Problem Observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.4"/>  
 <id root="4a04734b-d53a-424c-9f64-3eeb8eac2e42"/>  
 <code code="64572001" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Condition"/>  
 <text> patient reports feeling excessively tired during the day and  
 waking up frequently at night <reference value="#problem1"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime>  
 <low value="20090323"/>  
 </effectiveTime>  
 <value xsi:type="CD" code="73430006" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Sleep Apnea (unspecified)"/>  
 </observation>  
 </entryRelationship>  
 </act>  
 </entry>  
 <!-- Active Problem Concern Act: Influenza A H1N1 -->  
 <entry>  
 <act classCode="ACT" moodCode="EVN">  
 <!-- Problem Concern Act template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.3"/>  
 <id root="bb0f815f-e056-44be-a7a3-e8f711786a7b"/>  
 <code code="CONC" codeSystem="2.16.840.1.113883.5.6" displayName="Concern"/>  
 <statusCode code="active"/>  
 <effectiveTime>  
 <low value="20110122"/>  
 <high value="20110131"/>  
 </effectiveTime>  
 <entryRelationship typeCode="SUBJ">  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Problem Observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.4"/>  
 <id root="cca0da7d-8984-4354-9784-d6d40c732ed3"/>  
 <code code="404684003" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Finding"/>  
 <text> patient reports feeling chills <reference value="#problem2"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime>  
 <low value="20110122"/>  
 </effectiveTime>  
 <value xsi:type="CD" code="43724002" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Chill"/>  
 </observation>  
 </entryRelationship>  
 <entryRelationship typeCode="SUBJ">  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Problem Observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.4"/>  
 <id root="cab9db3a-3e25-4150-a47a-4b151350ddf8"/>  
 <code code="404684003" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Finding"/>  
 <text> patient reports fever <reference value="#problem2"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime>  
 <low value="20110122"/>  
 </effectiveTime>  
 <value xsi:type="CD" code="386661006" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Fever"/>  
 </observation>  
 </entryRelationship>  
 <entryRelationship typeCode="SUBJ">  
 <observation classCode="OBS" moodCode="EVN">  
 <!-- Problem Observation template -->  
 <templateId root="2.16.840.1.113883.10.20.22.4.4"/>  
 <id root="e8d9b087-800d-4b7b-9c31-78d93834adca"/>  
 <code code="282291009" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Diagnosis"/>  
 <text> Patient diagnosed with Influenza<reference  
 value="#problem2"/>  
 </text>  
 <statusCode code="completed"/>  
 <effectiveTime>  
 <low value="20110122"/>  
 <high value="20110131"/>  
 </effectiveTime>  
 <value xsi:type="CD" code="6142004" codeSystem="2.16.840.1.113883.6.96"  
 displayName="Influenza"/>  
 </observation>  
 </entryRelationship>  
 </act>  
 </entry>  
 </section>  
 </component>

***Onset***

***Sleep Apnea***

***Narrative Text for Human Review***

***Sleep Apnea (continued)***

***Condition***

***Influenza***

***Active Period***

***Symptom***

***Influenza (continued)***

***Symptom***

***Diagnosis***