问题观察条目

问题观察条目用于结构化表达对疾病、主诉、症状、发现、诊断和功能缺陷等问题的观察.

引自IHE PCC problem entry

This section uses the linking, severity, clinical status and comment content specifications defined elsewhere in the technical framework. In HL7 RIM parlance, observations about a problem, complaint, symptom, finding, diagnosis, or functional limitation of a patient is the event (moodCode='EVN') of observing (<observation classCode='OBS'>) that problem. The <value> of the observation comes from a controlled vocabulary representing such things. The <code> contained within the <observation> describes the method of determination from yet another controlled vocabulary.

The basic pattern for reporting a problem uses the CDA <observation> element, setting the classCode='OBS' to represent that this is an observation of a problem, and the moodCode='EVN', to represent that this is an observation that has in fact taken place. The negationInd attribute, if true, specifies that the problem indicated was observed to not have occurred (which is subtly but importantly different from having not been observed). The value of negationInd should not normally be set to true. Instead, to record that there is "no prior history of chicken pox", one would use a coded value indicated exactly that. However, it is not always possible to record problems in this manner, especially if using a controlled vocabulary that does not supply pre-coordinated negations , or which do not allow the negation to be recorded with post-coordinated coded terminology.

关于问题的定义

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| A problem is a clinical statement that a clinician has noted. In health care it is a condition that requires monitoring or diagnostic, therapeutic, or educational action. It also refers to any unmet or partially met basic human need. |

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| 数据元名称 | XPath | 多重性 | 要求 | 固定值 |
| 问题观察 |  |  |  |  |
|  | observation | 1..1 | SHALL |  |
|  | @classCode | 1..1 | SHALL | OBS |
|  | @moodCode | 1..1 | SHALL | EVN |
|  | @negationInd | 0..1 | MAY |  |
|  | templateID/@root | 1..1 | SHALL | Entry\_template\_Root\_OID.10 |
|  | statusCode/@code=”” | 1..1 | SHALL | completed |
|  | code@code | 1..1 | SHALL |  |
|  | effectiveTime | 1..1 | SHALL |  |
|  | text | 0..1 | MAY |  |
|  | value | 1..1 | SHALL |  |
| 年龄观察 | entryRelationship@typeCode="SUBJ" | 0..1 | MAY |  |
| 疾病状态观察 | entryRelationship@typeCode="REFR" | 0..1 | MAY |  |
| 健康状态观察 | entryRelationship@typeCode="REFR" | 0..1 | MAY |  |

约束条件

CONF-XXXX: 应包含一个仅且一个[1..1]**@classCode**="*OBS*" *Observation* (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass) **STATIC**

CONF-XXXX: 应包含一个仅且一个[1..1]**@moodCode**="EVN" *Event* (CodeSystem: 2.16.840.1.113883.5.1001 HL7ActMood)) **STATIC**

CONF-XXXX: 应包含一个仅且一个[1..1]templateId@root= Entry\_template\_Root\_OID.10

CONF-XXXX: 应包含仅且一个[1..1] **code，**从Problem Type中选取STATIC

CONF-XXXX: 应包含仅且一个[1..1] **statusCode/@code=”completed”** (CodeSystem: 2.16.840.1.113883.5.14 ActStatus)

CONF-XXXX: 可包含一个[1..1] **effectiveTime，***用以记录所关注问题起始与结束的时间间隔.*

* 1. The <effectiveTime> of this <observation> is the time interval over which the <observation> is known to be true. The <low> and <high> values should be no more precise than known, but as precise as possible. While CDA allows for multiple mechanisms to record this time interval (e.g., by low and high values, low and width, high and width, or center point and width), we are constraining Medical summaries to use only the low/high form. The <low> value is the earliest point for which the condition is known to have existed. The <high> value, when present, indicates the time at which the observation was no longer known to be true. Thus, the implication is made that if the <high> value is specified, that the observation was no longer seen after this time, and it thus represents the date of resolution of the problem. Similarly, the <low> value may seem to represent onset of the problem. Neither of these statements is necessarily precise, as the <low> and <high> values may represent only an approximation of the true onset and resolution (respectively) times. For example, it may be the case that onset occurred prior to the <low> value, but no observation may have been possible before that time to discern whether the condition existed prior to that time. The <low> value should normally be present. There are exceptions, such as for the case where the patient may be able to report that they had chicken pox, but are unsure when. In this case, the <effectiveTime> element shall have a <low> element with a nullFlavor attribute set to 'UNK'. The <high> value need not be present when the observation is about a state of the patient that is unlikely to change (e.g., the diagnosis of an incurable disease).
  2. The onset date **SHALL** be recorded in the <low> element of the <effectiveTime> element when known. (C83-[DE-7.01-1])
  3. The resolution data **SHALL** be recorded in the <high> element of the <effectiveTime> element when known. (C83-[DE-7.01-2])
  4. If the problem is known to be resolved, but the date of resolution is not known, then the <high> element **SHALL** be present, and the nullFlavor attribute **SHALL** be set to 'UNK'. Therefore, the existence of an <high> element within a problem does indicate that the problem has been resolved. (C83-[DE-7.01-3])

CONF-XXXX: 应 包含一个仅且一个[1..1]value@xsi:type="CD"，应该从特定的值集中取值，例如当要表达既往患病种类代码时，就要从CV02.10.005 既往常见疾病种类代码表中选取合适的code值。

CONF-XXXX: 可 包含零到一个[0..1]entryRelationship@typeCode="SUBJ" SUBJ (has subject)，满足年龄观察模板，来进一步描述病患所观察问题发生的年龄等相关细节信息。

CONF-XXXX: 可 包含零到一个[0..1]entryRelationship@typeCode="SUBJ" SUBJ (has subject)，满足问题状态观察条目模板以进一步描述病患所患问题的状态信息。

CONF-XXXX: 可 包含零到一个[0..1]entryRelationship@typeCode="SUBJ" SUBJ (has subject)，满足健康状态观察条目模板以进一步描述病患健康状态的详细信息。

Problem Type Value Set

| Value Set: Problem Type 2.16.840.1.113883.3.88.12.3221.7.2 | | |
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| Code System(s): | SNOMEDCT 2.16.840.1.113883.6.96 | |
| Description: | This value set indicates the level of medical judgment used to determine the existence of a problem. | |
| Code | Code System | Print Name |
| 404684003 | SNOMED CT | Finding |
| 409586006 | SNOMED CT | Complaint |
| 282291009 | SNOMED CT | Diagnosis |
| 64572001 | SNOMED CT | Condition |
| 248536006 | SNOMED CT | Functional limitation |
| 418799008 | SNOMED CT | Symptom |
| 55607006 | SNOMED CT | Problem |

| **Value Set:** 既往常见疾病种类代码表 | | |
| --- | --- | --- |
| **Code System(s):** | CV02.10.005 | |
| **Description:** |  | |
| Local Concept Code值 | Local Concept Name值含义 | Local Code System OID/ID |
| 01 | 无 |  |
| 02 | 高血压 |  |
| 03 | 糖尿病 |  |
| 04 | 冠心病 |  |
| 05 | 慢性阻塞性肺疾病 |  |
| 06 | 恶性肿瘤 |  |
| 07 | 脑卒中 |  |
| 08 | 重性精神疾病 |  |
| 09 | 结核病 |  |
| 10 | 肝脏疾病 |  |
| 11 | 先天畸形 |  |
| 12 | 职业病 |  |
| 13 | 肾脏疾病 |  |
| 14 | 贫血 |  |
| 98 | 其他法定传染病 |  |
| 99 | 其他 |  |

例子

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Problem observation with specific problem not observed

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| <observation classCode="OBS" moodCode="EVN" nullFlavor="NI">  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />  <text> No known problems</text>  <statusCode code="completed" />  <value xsi:type="CD" code="195967001"  codeSystem="2.16.840.1.113883.6.96"  displayName="Asthma" />  </observation> |

Problem observation for no known problems

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| <observation classCode="OBS" moodCode="EVN" negationInd="true">  <!-- Problem Observation template -->  <templateId root="2.16.840.1.113883.10.20.22.4.4" />  <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />  <statusCode code="completed" />  <value xsi:type="CD" code="55607006"  codeSystem="2.16.840.1.113883.6.96"  displayName="Problem" />  </observation> |