家族遗传病编组条目

家族遗传病编组条目用于结构化表达医师想要记录与某个家庭成员相关观察的集合。比方说，有关病人父亲的观察集合。

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 数据元名称 | XPath | 多重性 | 要求 | 固定值 |
| 家族遗传病编组 |  |  |  |  |
|  | Act | 1..1 | SHALL |  |
|  | @classCode | 1..1 | SHALL | ACT |
|  | @moodCode | 1..1 | SHALL | EVN |
|  | templateID/@root | 1..1 | SHALL | Entry\_template\_Root\_OID.9 |
|  | statusCode | 1..1 | SHALL |  |
|  | effectiveTime |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

约束条件

CONF-XXXX: 必须包含一个仅且一个[1..1]**@classCode**="*CLUSTER*" *Cluster* (CodeSystem: 2.16.840.1.113883.5.6 HL7ActClass) **STATIC**

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

CONF-XXXX: 必须包含一个仅且一个[1..1]templateId@root= Entry\_template\_Root\_OID.14

CONF-XXXX: 必须包含仅且一个[1..1] **statusCode**="completed" Completed (CodeSystem: 2.16.840.1.113883.5.14 HL7ActStatus)

CONF-XXXX: 可包含一个[1..1] **subject，**

* 1. 该subject **必须**包含一个仅且一个[1..1] **relatedSubject/@classCode**="PRS" Person (CodeSystem: 2.16.840.1.113883.5.41 HL7EntityClass)

1. relatedSubject必须包含一个仅且一个[1..1] **code**，且code必须从GB/T4761选取

2. relatedSubject必须包含零到一个[0..1] **subject**

**i.** subject应包含零到多个[0..\*] sdtc:id. The prefix sdtc: SHALL be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the id element

**ii.** 如果有subject的话，必须包含一个仅且一个[1..1] **administrativeGenderCode** ，which **SHALL** be selected from ValueSet [2.16.840.1.113883.1.11.1 Administrative Gender (HL7 V3)](#T_VS_AdministrativeGender)

**iii.** 如果有subject的话，应包含零到多个[0..1] **birthTime**

**iv.** subject可包含零到一个[**sdtc:deceasedInd**](#App_G_ExtensionsToCDAR2). The prefix sdtc: **SHALL** be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the deceasedInd element

**v.** The subject MAY contain zero or one [**sdtc:deceasedTime**](#App_G_ExtensionsToCDAR2). The prefix sdtc: **SHALL** be bound to the namespace “urn:hl7-org:sdtc”. The use of the namespace provides a necessary extension to CDA R2 for the use of the deceasedTime element

vi. The age of a relative at the time of death MAY be inferred by comparing RelatedSubject/subject/birthTime with RelatedSubject/subject/sdtc:deceasedTime.

CONF-XXXX: 必须 包含一到多个[1..\*] **component**，componet应包含零到多个[0..\*]满足家族遗传病观察模板的条目。

例子

|  |
| --- |
| <entry typeCode="DRIV">  <organizer moodCode="EVN" classCode="CLUSTER">  <templateId root="2.16.840.1.113883.10.20.22.4.45"/>  <!-- Family history organizer template -->  <statusCode code="completed"/>  <subject>  <relatedSubject classCode="PRS">  <code code="FTH" displayName="Father"  codeSystemName="HL7 FamilyMember"  codeSystem="2.16.840.1.113883.5.111">  <translation code="9947008" displayName="Biological father"  codeSystemName="SNOMED CT" codeSystem="2.16.840.1.113883.6.96"/>  </code>  </relatedSubject>  </subject>  <component>  <observation classCode="OBS" moodCode="EVN">  <templateId root="2.16.840.1.113883.10.20.22.4.46"/>  <!-- Family history observation template -->  ...  </observation>  </component>  </organizer>  </entry> |

<section>

<templateId root="2.16.840.1.113883.10.20.22.2.15"/>

<!-- \*\*\*\*\*\*\*\* Family history section template \*\*\*\*\*\*\*\* -->

<code code="10157-6" codeSystem="2.16.840.1.113883.6.1"/>

<title>FAMILY HISTORY</title>

<text>

<paragraph>Father (deceased)</paragraph>

<table border="1" width="100%">

<thead>

<tr>

<th>Diagnosis</th>

<th>Age At Onset</th>

</tr>

</thead>

<tbody>

<tr>

<td>Myocardial Infarction (cause of death)</td>

<td>57</td>

</tr>

<tr>

<td>Diabetes</td>

<td>40</td>

</tr>

</tbody>

</table>

</text>

<entry typeCode="DRIV">

<organizer moodCode="EVN" classCode="CLUSTER">

<templateId root="2.16.840.1.113883.10.20.22.4.45"/>

<!-- \*\*\*\*\*\*\*\* Family history organizer template \*\*\*\*\*\*\*\* -->

<statusCode code="completed"/>

<subject>

<relatedSubject classCode="PRS">

<code code="FTH" displayName="Father"

codeSystemName="HL7 FamilyMember"

codeSystem="2.16.840.1.113883.5.111">

<translation code="9947008"

displayName="Biological father"

codeSystemName="SNOMED"

codeSystem="2.16.840.1.113883.6.96"/>

</code>

<subject>

<administrativeGenderCode code="M"

codeSystem="2.16.840.1.113883.5.1"

displayName="Male"/>

<birthTime value="1910"/>

<sdtc:deceasedInd value="true"/>

<sdtc:deceasedTime value="1967"/>

</subject>

</relatedSubject>

</subject>

<component>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.46"/>

<!-- Family History Observation template -->

<id root="d42ebf70-5c89-11db-b0de-0800200c9a66"/>

<code code="55561003" displayName="Active"

codeSystemName="SNOMED CT"

codeSystem="2.16.840.1.113883.6.96"/>

<statusCode code="completed"/>

<effectiveTime value="1967"/>

<value xsi:type="CD" code="22298006"

codeSystem="2.16.840.1.113883.6.96"

displayName="Myocardial infarction"/>

<entryRelationship typeCode="CAUS">

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.47"/>

<!-- \*\*\*\*\*\*\*\* Family history death observation template \*\*\*\*\*\*\*\* -->

<id root="6898fae0-5c8a-11db-b0de-0800200c9a66"/>

<code code="ASSERTION"

codeSystem="2.16.840.1.113883.5.4"/>

<statusCode code="completed"/>

<value xsi:type="CD" code="419099009"

codeSystem="2.16.840.1.113883.6.96"

displayName="Dead"/>

</observation>

</entryRelationship>

<entryRelationship typeCode="SUBJ" inversionInd="true">

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.31"/>

<!-- \*\*\*\*\*\*\*\* Age observation template \*\*\*\*\*\*\*\* -->

<code code="397659008" codeSystem="2.16.840.1.113883.6.96"

displayName="Age"/>

<statusCode code="completed"/>

<value xsi:type="PQ" value="57" unit="a"/>

</observation>

</entryRelationship>

</observation>

</component>

<component>

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.46"/>

<!-- \*\*\*\*\*\*\*\* Family history observation template \*\*\*\*\*\*\*\* -->

<id root="5bfe3ec0-5c8b-11db-b0de-0800200c9a66"/>

<code code="7087005" displayName="Intermittent"

codeSystemName="SNOMED CT"

codeSystem="2.16.840.1.113883.6.96"/>

<statusCode code="completed"/>

<effectiveTime value="1950"/>

<value xsi:type="CD" code="46635009"

codeSystem="2.16.840.1.113883.6.96"

displayName="Diabetes mellitus type 1"/>

<entryRelationship typeCode="SUBJ" inversionInd="true">

<observation classCode="OBS" moodCode="EVN">

<templateId root="2.16.840.1.113883.10.20.22.4.31"/>

<!-- \*\*\*\*\*\*\*\* Age observation template \*\*\*\*\*\*\*\* -->

<code code="397659008" codeSystem="2.16.840.1.113883.6.96"

displayName="Age"/>

<statusCode code="completed"/>

<value xsi:type="PQ" value="40" unit="a"/>

</observation>

</entryRelationship>

</observation>

</component>

</organizer>

</entry>

</section>

Family history observation scenario

**SCENARIO**

A patient's father was diagnosed with diabetes at the age of 40. He died of Myocardial Infarction at the age of 57. If the patient's father was born in 1910, the family history organizer for the father would contain the following items:

**The Date of Birth**

RelatedSubject/subject/birthTime => 1910

**The Date of Death**

RelatedSubject/subject/sdtc:deceasedInd => true

RelatedSubject/subject/sdtc:deceasedTime => 1967

**The Diabetes Diagnosis**

component/observation/effectiveTime => 1950

component/observation/value => contains the code and displayName for diabetes

component/observation/entryRelationship/observation/value/@value => 40 with the unit set to "a" to indicate years

**The Myocardial Infarction Diagnosis and Cause of Death**

component/observation/effectiveTime => 1967

component/observation/value => contains the code and displayName for MI

component/observation/entryRelationship/observation/value/@value => 57 with the unit set to "a" to indicate years

component/observation/entryRelationship/@typeCode => "CAUS". This second entryRelationship shows that the MI was the cause of death.