

Figure 150: Family History Observation (V3) Example

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.46" extension="2015-08-01" />
  <!-- Family History Observation template -->
  <id root="d42ebf70-5c89-11db-b0de-0800200c9a66" />
  <code code="75323-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Condition">
<translation code="64572001" displayName="Condition"
               codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT"></translation>
  </code>
  <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" />
      ...
    </observation>
  </entryRelationship>
  <entryRelationship typeCode="SUBJ" inversionInd="true">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.31" />
      ....
    </observation>
  </entryRelationship>
</observation>
```

3.30 Family History Organizer (V3)

```
[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01
(open) ]
```

Table 289: Family History Organizer (V3) Contexts

| Contained By: | Contains: |
|--|--|
| Health Concern Act (V2) (optional) Risk Concern Act (V2) (optional) Family History Section (V3) (optional) | Family History Observation (V3) (required) |

The Family History Organizer associates a set of observations with a family member. For example, the Family History Organizer can group a set of observations about the patient's father.

Table 290: Family History Organizer (V3) Constraints Overview

| XPath | Card. | Verb | Data Type | CONF# | Value |
|--|-------|--------|-----------|----------------------------|--|
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.45:2015-08-01) | | | | | |
| @classCode | 1..1 | SHALL | | 1198-8600 | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL | | 1198-8601 | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL | | 1198-8604 | |
| @root | 1..1 | SHALL | | 1198-10497 | 2.16.840.1.113883.10.20.22.4.45 |
| @extension | 1..1 | SHALL | | 1198-32606 | 2015-08-01 |
| id | 1..* | SHALL | | 1198-32485 | |
| statusCode | 1..1 | SHALL | | 1198-8602 | |
| @code | 1..1 | SHALL | | 1198-19099 | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| subject | 1..1 | SHALL | | 1198-8609 | |
| relatedSubject | 1..1 | SHALL | | 1198-15244 | |
| @classCode | 1..1 | SHALL | | 1198-15245 | urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = PRS |
| code | 1..1 | SHALL | | 1198-15246 | urn:oid:2.16.840.1.113883.1.11.19579 (Family Member Value) |
| subject | 0..1 | SHOULD | | 1198-15248 | |
| administrativeGenderCode | 1..1 | SHALL | | 1198-15974 | urn:oid:2.16.840.1.113883.1.11.1 (Administrative Gender (HL7 V3)) |
| birthTime | 0..1 | SHOULD | | 1198-15976 | |
| component | 1..* | SHALL | | 1198-32428 | |
| observation | 1..1 | SHALL | | 1198-32429 | Family History Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01) |

1. **SHALL** contain exactly one [1..1] @classCode="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8600).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-8601).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8604) such that it
 - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.45" (CONF:1198-10497).
 - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32606).
4. **SHALL** contain at least one [1..*] **id** (CONF:1198-32485).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8602).
 - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code**="completed" Completed (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-19099).
6. **SHALL** contain exactly one [1..1] **subject** (CONF:1198-8609).
 - a. This **subject** **SHALL** contain exactly one [1..1] **relatedSubject** (CONF:1198-15244).
 - i. This **relatedSubject** **SHALL** contain exactly one [1..1] **@classCode**="PRS" Person (CodeSystem: HL7EntityClass urn:oid:2.16.840.1.113883.5.41 **STATIC**) (CONF:1198-15245).
 - ii. This **relatedSubject** **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet Family Member Value urn:oid:2.16.840.1.113883.1.11.19579 **DYNAMIC** (CONF:1198-15246).
 - iii. This **relatedSubject** **SHOULD** contain zero or one [0..1] **subject** (CONF:1198-15248).
 1. The **subject**, if present, **SHALL** contain exactly one [1..1] **administrativeGenderCode**, which **SHALL** be selected from ValueSet Administrative Gender (HL7 V3) urn:oid:2.16.840.1.113883.1.11.1 **DYNAMIC** (CONF:1198-15974).
 2. The **subject**, if present, **SHOULD** contain zero or one [0..1] **birthTime** (CONF:1198-15976).
 3. The **subject** **SHOULD** contain zero or more [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 (CONF:1198-15249).
 4. The **subject** **MAY** contain zero or one [0..1] **sdtc:deceasedInd**. 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 (CONF:1198-15981).
 5. The **subject** **MAY** contain zero or one [0..1] **sdtc:deceasedTime**. 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 (CONF:1198-15982).
 6. The age of a relative at the time of a family history observation **SHOULD** be inferred by comparing **RelatedSubject/subject/birthTime** with **Observation/effectiveTime** (CONF:1198-15983).
7. **SHALL** contain at least one [1..*] **component** (CONF:1198-32428).
 - a. Such **components** **SHALL** contain exactly one [1..1] Family History Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.46:2015-08-01) (CONF:1198-32429).

Table 291: Family Member Value

| Value Set: Family Member Value urn:oid:2.16.840.1.113883.1.11.19579 (Clinical Focus: A characterization of the familial relationship between two people),(Data Element Scope:),(Inclusion Criteria:),(Exclusion Criteria:) This value set was imported on 6/24/2019 with a version of 20190425. Value Set Source: https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.19579/expansion | | | |
|--|-------------|---------------------------------|------------------|
| Code | Code System | Code System OID | Print Name |
| AUNT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | aunt |
| BRO | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | brother |
| BROINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | brother-in-law |
| CHILD | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | child |
| CHLDADOPT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adopted child |
| CHLDFOST | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | foster child |
| CHLDINLAW | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | child-in-law |
| COUSN | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | cousin |
| DAU | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | natural daughter |
| DAUADOPT | HL7RoleCode | urn:oid:2.16.840.1.113883.5.111 | adopted daughter |
| ... | | | |

Figure 151: Family History Organizer (V3) Example

```
<organizer moodCode="EVN" classCode="CLUSTER">
  <templateId root="2.16.840.1.113883.10.20.22.4.45" extension="2015-08-01" />
  <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="Natural father"
codeSystemName="SNOMED" codeSystem="2.16.840.1.113883.6.96" />
      </code>
    </subject>
    <sdtc:id root="2.16.840.1.113883.19.5.99999.2" extension="99999999" />
    <id root="2.16.840.1.113883.19.5.99999.2" extension="1234" />
    <administrativeGenderCode code="M" codeSystem="2.16.840.1.113883.5.1" />
    <birthTime value="1910" />
    <!-- Example use of sdtc extensions :-->
    <!-- <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" extension="2015-08-01" />
    . . .

  </observation>
</component>
</organizer>
```

3.31 Functional Status Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.67:2014-06-09
(open)]

Table 292: Functional Status Observation (V2) Contexts

| Contained By: | Contains: |
|---|---|
| Functional Status Section (V2) (optional) | Caregiver Characteristics (optional) |
| Functional Status Organizer (V2) (required) | Assessment Scale Observation (optional) |
| Health Concern Act (V2) (optional) | Non-Medicinal Supply Activity (V2) (optional) |
| Risk Concern Act (V2) (optional) | Author Participation (optional) |

This template represents the patient's physical function (e.g., mobility status, instrumental activities of daily living, self-care status) and problems that limit function (dyspnea, dysphagia). The template may include assessment scale observations, identify supporting caregivers, and provide information about non-medicinal supplies. This template is used to represent physical or developmental function of all patient populations.