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 287: Family History Organizer (V3) Contexts

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

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 288: 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 289: 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
...			

```
<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 290: 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.