## 3.3  *Advance Directive Organizer (V2)*

```
[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.108:2015-08-01
(open)]
```

*Table 225: Advance Directive Organizer (V2) Contexts*

| Contained By: | Contains: |
|---|---|
| Advance Directives Section (entries optional) (V3) (optional) <br> Advance Directives Section (entries required) (V3) (optional) | Author Participation (optional) <br> Advance Directive Observation (V3) (required) |

This clinical statement groups a set of advance directive observations.

**Table 226: Advance Directive Organizer (V2) Constraints Overview**

| XPath | Card. | Verb | Data Type | CONF# | Value |
|---|---|---|---|---|---|
| organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.108:2015-08-01) | | | | | |
| @classCode | 1..1 | SHALL | | 1198-28410 | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER |
| @moodCode | 1..1 | SHALL | | 1198-28411 | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL | | 1198-28412 | |
| @root | 1..1 | SHALL | | 1198-28413 | 2.16.840.1.113883.10.20.22.4.108 |
| @extension | 1..1 | SHALL | | 1198-32876 | 2015-08-01 |
| id | 1..* | SHALL | | 1198-28414 | |
| code | 1..1 | SHALL | | 1198-28415 | |
| @code | 1..1 | SHALL | | 1198-31230 | 45473-6 |
| @codeSystem | 1..1 | SHALL | | 1198-31231 | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1 |
| statusCode | 1..1 | SHALL | | 1198-28418 | |
| @code | 1..1 | SHALL | | 1198-31346 | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| author | 0..* | SHOULD | | 1198-32407 | Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119 |
| component | 1..* | SHALL | | 1198-28420 | |
| observation | 1..1 | SHALL | | 1198-28421 | Advance Directive Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01 |

1. **SHALL** contain exactly one [1..1] **@classCode**="CLUSTER" Cluster (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-28410).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-28411).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-28412) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.108" (CONF:1198-28413).
   b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32876).

4. **SHALL** contain at least one [1..*] **id** (CONF:1198-28414).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-28415).
   a. This code **SHALL** contain exactly one [1..1] **@code**="45473-6" Advance directive - living will  (CONF:1198-31230).
   b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:1198-31231).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-28418).
   a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:1198-31346).
7. **SHOULD** contain zero or more [0..*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-32407).
8. **SHALL** contain at least one [1..*] **component** (CONF:1198-28420) such that it
   a. **SHALL** contain exactly one [1..1] **Advance Directive Observation (V3)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01) (CONF:1198-28421).

*Figure 125: Advance Directive Organizer (V2) Example*

```
<organizer classCode="CLUSTER" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.108" extension="2015-08-01" />
  <id root="631F0E95-F055-4FA2-AF10-3AE036CAD2EC" extension="10.1.1" />
  <code code="45473-6"
    displayName="advance directive - living will"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC">
    <originalText>
      <reference value="#ADO1" />
    </originalText>
  </code>
  <statusCode code="completed" />
  <!-- Author Participation -->
  <author>
    <templateId root="2.16.840.1.113883.10.20.22.4.119" />
    <time value="20130807150000-0500" />
    <assignedAuthor>
      <id extension="5555555551" root="2.16.840.1.113883.4.6" />
      <code code="163W00000X"
        displayName="Registered nurse"
        codeSystem="2.16.840.1.113883.6.101"
        codeSystemName="Healthcare Provider Taxonomy (HIPAA)" />
      <assignedPerson>
        <name>
          <given>Nurse</given>
          <family>Nightingale</family>
          <suffix>RN</suffix>
        </name>
      </assignedPerson>
      <representedOrganization classCode="ORG">
        <id root="2.16.840.1.113883.19.5" />
        <name>Good Health Hospital</name>
      </representedOrganization>
    </assignedAuthor>
  </author>
  <component>
    <!-- Advance Directive Observation (V3)  -->
    ...
  </component>
  <component>
    <!-- Advance Directive Observation (V3) -->
    ...
  </component>
  <component>
    <!-- Advance Directive Observation (V3) -->
    ...
  </component>
</organizer>
```

## 3.4   Age Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.31 (open)]

*Table 227: Age Observation Contexts*

| Contained By: | Contains: |
|---|---|
| Family History Observation (V3) (optional) <br> Problem Observation (V3) (optional) | |

This Age Observation represents the subject's age at onset of an event or observation. The age of a relative in a Family History Observation at the time of that observation could also be inferred by comparing RelatedSubject/subject/birthTime with Observation/effectiveTime. However, a common scenario is that a patient will know the age of a relative when the relative had a certain condition or when the relative died, but will not know the actual year (e.g., "grandpa died of a heart attack at the age of 50"). Often times, neither precise dates nor ages are known (e.g., "cousin died of congenital heart disease as an infant").

*Table 228: Age Observation Constraints Overview*

| XPath | Card. | Verb | Data Type | CONF# | Value |
|---|---|---|---|---|---|
| observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.31) | | | | | |
| @classCode | 1..1 | SHALL | | 81-7613 | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL | | 81-7614 | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL | | 81-7899 | |
| @root | 1..1 | SHALL | | 81-10487 | 2.16.840.1.113883.10.20.22.4.31 |
| code | 1..1 | SHALL | | 81-7615 | |
| @code | 1..1 | SHALL | | 81-16776 | 445518008 |
| @codeSystem | 1..1 | SHALL | | 81-26499 | urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96 |
| statusCode | 1..1 | SHALL | | 81-15965 | |
| @code | 1..1 | SHALL | | 81-15966 | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| value | 1..1 | SHALL | PQ | 81-7617 | |
| @unit | 1..1 | SHALL | CS | 81-7618 | urn:oid:2.16.840.1.113883.11.20.9.21 (AgePQ_UCUM) |

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-7613).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-7614).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-7899) such that it