a. **SHALL** contain exactly one [1..1] **@typeCode**="SUBJ" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1098-7702).

b. **SHALL** contain exactly one [1..1] **Medication Activity (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2014-06-09) (CONF:1098-15520).

Figure 123: Admission Medication (V2) Example

```
<act classCode="ACT" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.36" extension="2014-06-09" />
  <code code="42346-7" />
  <entryRelationship typeCode="SUBJ">
    <substanceAdministration classCode="SBADM" moodCode="EVN">
      <!-- ** MEDICATION ACTIVITY V2 ** -->
      <templateId root="2.16.840.1.113883.10.20.22.4.16" extension="2014-06-09" />
        ...
    </substanceAdministration>
  </entryRelationship>
</act>
```

3.2   Advance Directive Observation (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01 (open)]

Table 220: Advance Directive Observation (V3) Contexts

Contained By:	Contains:
Advance Directive Organizer (V2) (required)	US Realm Address (AD.US.FIELDED) (optional)
Planned Intervention Act (V2) (optional)	US Realm Person Name (PN.US.FIELDED) (optional)
Intervention Act (V2) (optional)	Author Participation (optional)
Advance Directives Section (entries optional) (V3) (optional)	
Advance Directives Section (entries required) (V3) (optional)	

This clinical statement represents Advance Directive Observation findings (e.g., "resuscitation status is Full Code") rather than orders. It should not be considered a legal document or a substitute for the actual Advance Directive document. The related legal documents are referenced using the reference/externalReference element.

The Advance Directive Observation describes the patient's directives, including but not limited to:
• Medications
• Transfer of Care to Hospital
• Treatment
• Procedures
• Intubation and Ventilation
• Diagnostic Tests
• Tests

The observation/value element contains the detailed patient directive which may be coded or text. For example, a category directive may be antibiotics, and the details would be intravenous antibiotics only.

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01)					
@classCode	1..1	SHALL		1198-8648	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		1198-8649	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1198-8655	
@root	1..1	SHALL		1198-10485	2.16.840.1.113883.10.20.22.4.48
@extension	1..1	SHALL		1198-32496	2015-08-01
id	1..*	SHALL		1198-8654	
code	1..1	SHALL		1198-8651	urn:oid:2.16.840.1.113883.1.11.20.2 (Advance Directive Type Code)
translation	1..1	SHALL		1198-32842	
@code	1..1	SHALL		1198-32843	75320-2
@codeSystem	1..1	SHALL		1198-32844	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		1198-8652	
@code	1..1	SHALL		1198-19082	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		1198-8656	
low	1..1	SHALL		1198-28719	
high	1..1	SHALL		1198-15521	
value	1..1	SHALL		1198-30804	
author	0..*	SHOULD		1198-32406	Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119
participant	0..*	SHOULD		1198-8662	
@typeCode	1..1	SHALL		1198-8663	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = VRF
templateId	1..1	SHALL		1198-	

XPath	Card.	Verb	Data Type	CONF#	Value
				8664	
@root	1..1	SHALL		1198-10486	2.16.840.1.113883.10.20.1.58
time	0..1	SHOULD		1198-8665	
participantRole	1..1	SHALL		1198-8825	
code	0..1	SHOULD		1198-28446	urn:oid:2.16.840.1.114222.4.11.1066 (Healthcare Provider Taxonomy)
addr	0..*	MAY		1198-28451	US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2
playingEntity	0..1	MAY		1198-28428	
name	0..*	MAY		1198-28454	US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1
participant	0..*	SHOULD		1198-8667	
@typeCode	1..1	SHALL		1198-8668	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = CST
participantRole	1..1	SHALL		1198-8669	
@classCode	1..1	SHALL		1198-8670	urn:oid:2.16.840.1.113883.5.110 (HL7RoleClass) = AGNT
code	0..1	SHOULD		1198-28440	urn:oid:2.16.840.1.113883.11.20.12.1 (Personal And Legal Relationship Role Type)
addr	0..1	SHOULD		1198-8671	US Realm Address (AD.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2
telecom	0..*	SHOULD		1198-8672	
playingEntity	1..1	SHALL		1198-8824	
code	0..1	SHOULD		1198-28444	urn:oid:2.16.840.1.113883.11.20.9.51 (Healthcare Agent Qualifier)
name	1..1	SHALL		1198-8673	
reference	1..*	SHOULD		1198-8692	
@typeCode	1..1	SHALL		1198-	urn:oid:2.16.840.1.113883.5.1

XPath	Card.	Verb	Data Type	CONF#	Value
				8694	002 (HL7ActRelationshipType) = REFR
externalDocument	1..1	SHALL		1198-8693	
id	1..*	SHALL		1198-8695	
text	0..1	MAY		1198-8696	
reference	0..1	MAY		1198-8697	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8648).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-8649).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8655) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.48" (CONF:1198-10485).
   b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32496).
4. **SHALL** contain at least one [1..*] **id** (CONF:1198-8654).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet **Advance Directive Type Code** urn:oid:2.16.840.1.113883.1.11.20.2 **DYNAMIC** (CONF:1198-8651).
   a. This code **SHALL** contain exactly one [1..1] **translation** (CONF:1198-32842) such that it
      i. **SHALL** contain exactly one [1..1] **@code**="75320-2" Advance directive (CONF:1198-32843).
      ii. **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) (CONF:1198-32844).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8652).
   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:1198-19082).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1198-8656).
   a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:1198-28719).
   b. This effectiveTime **SHALL** contain exactly one [1..1] **high** (CONF:1198-15521).
      i. If the Advance Directive does not have a specified ending time, the <high> element **SHALL** have the nullFlavor attribute set to *NA* (CONF:1198-32449).
8. **SHALL** contain exactly one [1..1] **value** (CONF:1198-30804) such that it
   a. If type CD, then value will be SNOMED-CT 2.16.840.1.113883.6.96 (CONF:1198-32493).

9. **SHOULD** contain zero or more [0..*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-32406).

The participant "VRF" represents the clinician(s) who verified the patient advance directive observation.

10. **SHOULD** contain zero or more [0..*] **participant** (CONF:1198-8662) such that it
   a. **SHALL** contain exactly one [1..1] **@typeCode**="VRF" Verifier (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8663).
   b. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8664) such that it
      i. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.1.58" (CONF:1198-10486).
   c. **SHOULD** contain zero or one [0..1] **time** (CONF:1198-8665).
      i. The data type of Observation/participant/time in a verification **SHALL** be *TS* (time stamp) (CONF:1198-8666).
   d. **SHALL** contain exactly one [1..1] **participantRole** (CONF:1198-8825).
      i. This participantRole **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet **Healthcare Provider Taxonomy** urn:oid:2.16.840.1.114222.4.11.1066 **DYNAMIC** (CONF:1198-28446).
      ii. This participantRole **MAY** contain zero or more [0..*] **US Realm Address (AD.US.FIELDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-28451).
      iii. This participantRole **MAY** contain zero or one [0..1] **playingEntity** (CONF:1198-28428).
         1. The playingEntity, if present, **MAY** contain zero or more [0..*] **US Realm Person Name (PN.US.FIELDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:1198-28454).

This custodian (CST) participant identifies a legal representative for the patient's advance directive. Examples of such individuals are called health care agents, substitute decision makers and/or health care proxies. If there is more than one legal representative, a qualifier may be used to designate the legal representative as primary or secondary.

11. **SHOULD** contain zero or more [0..*] **participant** (CONF:1198-8667) such that it
   a. **SHALL** contain exactly one [1..1] **@typeCode**="CST" Custodian (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90 **STATIC**) (CONF:1198-8668).
   b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:1198-8669).
      i. This participantRole **SHALL** contain exactly one [1..1] **@classCode**="AGNT" Agent (CodeSystem: HL7RoleClass urn:oid:2.16.840.1.113883.5.110 **STATIC**) (CONF:1198-8670).
      ii. This participantRole **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet **Personal And Legal Relationship Role Type** urn:oid:2.16.840.1.113883.11.20.12.1 **DYNAMIC** (CONF:1198-28440).
      iii. This participantRole **SHOULD** contain zero or one [0..1] **US Realm Address (AD.US.FIELDED)** (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.2) (CONF:1198-8671).

iv. This participantRole **SHOULD** contain zero or more [0..*] **telecom** (CONF:1198-8672).

v. This participantRole **SHALL** contain exactly one [1..1] **playingEntity** (CONF:1198-8824).

1. This playingEntity **SHOULD** contain zero or one [0..1] **code**, which **SHOULD** be selected from ValueSet **Healthcare Agent Qualifier** urn:oid:2.16.840.1.113883.11.20.9.51 **DYNAMIC** (CONF:1198-28444).

Record the name of the agent who can provide a copy of the Advance Directive in the name element.

2. This playingEntity **SHALL** contain exactly one [1..1] **name** (CONF:1198-8673).

12. **SHOULD** contain at least one [1..*] **reference** (CONF:1198-8692) such that it

a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1198-8694).

b. **SHALL** contain exactly one [1..1] **externalDocument** (CONF:1198-8693).

i. This externalDocument **SHALL** contain at least one [1..*] **id** (CONF:1198-8695).

ii. This externalDocument **MAY** contain zero or one [0..1] **text** (CONF:1198-8696).

1. The text, if present, **MAY** contain zero or one [0..1] **reference** (CONF:1198-8697).

a. The URL of a referenced advance directive document **MAY** be present, and **SHALL** be represented in Observation/reference/ExternalDocument/text/reference (CONF:1198-8698).

b. If a URL is referenced, then it **SHOULD** have a corresponding linkHTML element in narrative block (CONF:1198-8699).

Table 222: Advance Directive Type Code

Value Set: Advance Directive Type Code urn:oid:2.16.840.1.113883.1.11.20.2
(Clinical Focus: Kinds of intervention addressed by an advance directive),(Data Element Scope:),(Inclusion Criteria:),(Exclusion Criteria:)

This value set was imported on 6/24/2019 with a version of 20190319.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2/expansion

Code	Code System	Code System OID	Print Name
14152002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intravenous infusion (procedure)
281789004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Antibiotic therapy (procedure)
304251008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Resuscitation status (observable entity)
52765003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Intubation (procedure)
61420007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tube feeding of patient (regime/therapy)
71388002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Procedure (procedure)
78823007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Life support procedure (procedure)
89666000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Cardiopulmonary resuscitation (procedure)

Table 223: Healthcare Agent Qualifier

Value Set: Healthcare Agent Qualifier urn:oid:2.16.840.1.113883.11.20.9.51
(Clinical Focus: A value set SNOMED-CT qualifier codes for representing principal and secondary.),(Data Element Scope: Health care agent attribute),(Inclusion Criteria: Qualifier concepts Primary and Secondary only),(Exclusion Criteria: only concepts in inclusion criteria)

This value set was imported on 6/24/2019 with a version of 20190319.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.51/expansion

Code	Code System	Code System OID	Print Name
2603003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Secondary (qualifier value)
63161005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Principal (qualifier value)

Figure 124: Advance Directive Observation (V3) Example

```
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <!-- ** Advance Directive Observation** -->
        <templateId root="2.16.840.1.113883.10.20.22.4.48"
        extension="2015-08-01" />
        <id root="9b54c3c9-1673-49c7-aef9-b037ed72ed27" />
        <code code="304251008" displayName="Resuscitation"
                              codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT">
            <translation code="75320-2"
                              displayName="Advance Directive"
                              codeSystem="2.16.840.1.113883.6.1"
                              codeSystemName="LOINC"></translation>
        </code>
        <statusCode code="completed" />
        <effectiveTime>
            <low value="20110213" />
            <high nullFlavor="NA" />
        </effectiveTime>
        <value xsi:type="CD"
          code="304253006"
          codeSystem="2.16.840.1.113883.6.96"
          codeSystemName="SNOMED-CT"
          displayName="Not for resuscitation">
            <originalText>Do not resuscitate</originalText>
        </value>
        <author>
            <templateId root="2.16.840.1.113883.10.20.22.4.119" />
            <time value="201308011235-0800" />
            <assignedAuthor>
                <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
                <code code="163W00000X"
            displayName="Registered nurse"
            codeSystem="2.16.840.1.113883.6.101"
            codeSystemName="Health Care 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>
        <participant typeCode="VRF">
            <templateId root="2.16.840.1.113883.10.20.1.58" />
            <time value="201302013" />
            <participantRole>
                <id root="20cf14fb-b65c-4c8c-a54d-b0cca834c18c" />
                <code code="163W00000X"
             codeSystem="2.16.840.1.113883.6.101"
             codeSystemName="Health Care Provider Taxonomy (HIPAA)"
             displayName="Registered nurse" />
```

```
                    <addr>
            ...
        </addr>
                    <telecom value="tel:(995)555-1006" use="WP" />
                    <playingEntity>
                        <code code="63161005" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT" displayName="Principal" />
                        <name>
                            <given>Nurse</given>
                            <family>Florence</family>
                            <suffix>RN</suffix>
                        </name>
                    </playingEntity>
            </participantRole>
        </participant>
        <participant typeCode="CST">
            <participantRole classCode="AGNT">
                <code code="MTH" codeSystem="2.16.840.1.113883.5.111" displayName="Mother"
/>
                <addr>
            ...
        </addr>
                    <telecom value="tel:(999)555-1212" use="WP" />
                    <playingEntity>
                        <code code="63161005" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED-CT" displayName="Principal" />
                        <name>
                            <prefix>Mrs.</prefix>
                            <given>Martha</given>
                            <family>Jones</family>
                        </name>
                    </playingEntity>
            </participantRole>
        </participant>
        <reference typeCode="REFR">
            <externalDocument>
                <id root="b50b7910-7ffb-4f4c-bbe4-177ed68cbbf3" />
                <text mediaType="application/pdf">
                    <reference value="AdvanceDirective.b50b7910-7ffb-4f4c-bbe4-
177ed68cbbf3.pdf" />
                </text>
                <versionNumber value="1" />
            </externalDocument>
        </reference>
    </observation>
</entry>
```

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 224: Advance Directive Organizer (V2) Contexts

Contained By:	Contains:
Advance Directives Section (entries optional) (V3) (optional)	Author Participation (optional)
	Advance Directive Observation (V3) (required)
Advance Directives Section (entries required) (V3) (optional)	

This clinical statement groups a set of advance directive observations.