1. This reference/@value **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:81-15969).
   b. This text **SHALL** contain exactly one [1..1] **reference/@value** (CONF:81-9431).
6. **SHOULD** contain zero or one [0..1] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:81-9433).
7. Data elements defined elsewhere in the specification **SHALL NOT** be recorded using the Comment Activity (CONF:81-9429).

Figure 135: Comment Activity Example

```
<act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.64"/>
    <code code="48767-8" displayName="Annotation Comment"
        codeSystemName="LOINC"
        codeSystem="2.16.840.1.113883.6.1"/>
    <text>The patient stated that he was looking forward to an upcoming
vacation to New York with his family.  He was concerned that he may
not have enough medication for the trip.  An additional prescription
was provided to cover that period of time.
        <reference value="#PntrtoSectionText"/>
    </text>
    <author>
        <time value="20050329224411+0500"/>
        <assignedAuthor>
            <id extension="KP00017" root="2.16.840.1.113883.19.5"/>
            <addr>
                <streetAddressLine>21 North Ave.</streetAddressLine>
                <city>Burlington</city>
                <state>MA</state>
                <postalCode>02368</postalCode>
                <country>US</country>
            </addr>
            <telecom use="WP" value="tel:(555)555-1003"/>
            <assignedPerson>
                <name>
                    <given>Henry</given>
                    <family>Seven</family>
                </name>
            </assignedPerson>
        </assignedAuthor>
    </author>
</act>
```

3.16 Coverage Activity (V3)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2015-08-01 (open)]

Table 254: Coverage Activity (V3) Contexts

Contained By:	Contains:
Payers Section (V3) (optional)	Policy Activity (V3) (required)

A Coverage Activity groups the policy and authorization acts within a Payers Section to order the payment sources. A Coverage Activity contains one or more Policy Activities, each of which contains zero or more Authorization Activities. The Coverage Activity id is the ID from the patient's insurance card. The sequenceNumber/@value shows the policy order of preference.

Table 255: Coverage Activity (V3) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.60:2015-08-01)					
@classCode	1..1	SHALL		1198-8872	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		1198-8873	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1198-8897	
@root	1..1	SHALL		1198-10492	2.16.840.1.113883.10.20.22.4.60
@extension	1..1	SHALL		1198-32596	2015-08-01
id	1..*	SHALL		1198-8874	
code	1..1	SHALL		1198-8876	
@code	1..1	SHALL		1198-19160	48768-6
@codeSystem	1..1	SHALL		1198-32156	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		1198-8875	
@code	1..1	SHALL		1198-19094	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
entryRelationship	1..*	SHALL		1198-8878	
@typeCode	1..1	SHALL		1198-8879	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
sequenceNumber	0..1	MAY		1198-17174	
@value	1..1	SHALL		1198-17175	
act	1..1	SHALL		1198-15528	Policy Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01)

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" Act (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-8872).

2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: `HL7ActMood` `urn:oid:2.16.840.1.113883.5.1001` **STATIC**) (CONF:1198-8873).

3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-8897) such that it

   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.60" (CONF:1198-10492).

   b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32596).

4. **SHALL** contain at least one [1..*] **id** (CONF:1198-8874).

5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-8876).

   a. This code **SHALL** contain exactly one [1..1] **@code**="48768-6" Payment sources (CONF:1198-19160).

   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`) (CONF:1198-32156).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-8875).

   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:1198-19094).

7. **SHALL** contain at least one [1..*] **entryRelationship** (CONF:1198-8878) such that it

   a. **SHALL** contain exactly one [1..1] **@typeCode**="COMP" has component (CodeSystem: `HL7ActRelationshipType` `urn:oid:2.16.840.1.113883.5.1002` **STATIC**) (CONF:1198-8879).

   b. **MAY** contain zero or one [0..1] **sequenceNumber** (CONF:1198-17174).

      i. The sequenceNumber, if present, **SHALL** contain exactly one [1..1] **@value** (CONF:1198-17175).

   c. **SHALL** contain exactly one [1..1] **Policy Activity (V3)** (identifier: `urn:hl7ii:2.16.840.1.113883.10.20.22.4.61:2015-08-01`) (CONF:1198-15528).

Figure 136: Coverage Activity (V3) Example

```
<act classCode="ACT" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.60" extension="2015-08-01" />
    <id root="1fe2cdd0-7aad-11db-9fe1-0800200c9a66" />
    <code code="48768-6" codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"
displayName="Payment sources" />
    <statusCode code="completed" />
    <entryRelationship typeCode="COMP">
        <act classCode="ACT" moodCode="EVN">
            <sequenceNumber value="2" />
            <templateId root="2.16.840.1.113883.10.20.22.4.61" extension="2015-08-01" />
            . . .


        </act>
    </entryRelationship>
</act>
```

3.17 Criticality Observation

`[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.145 (open)]`

Table 256: Criticality Observation Contexts

Contained By:	Contains:
[Allergy - Intolerance Observation (V2)](#) (optional) [Substance or Device Allergy - Intolerance Observation (V2)](#) (optional)	

This observation represents the gravity of the potential risk for future life-threatening adverse reactions when exposed to a substance known to cause an adverse reaction in that individual. When the worst case result is assessed to have a life-threatening or organ system threatening potential, it is considered to be of high criticality.

Table 257: Criticality Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.145)					
@classCode	1..1	SHALL		[81-32921](#)	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		[81-32922](#)	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		[81-32918](#)	
@root	1..1	SHALL		[81-32923](#)	2.16.840.1.113883.10.20.22.4.145
code	1..1	SHALL		[81-32919](#)	
@code	1..1	SHALL		[81-32925](#)	82606-5
@codeSystem	1..1	SHALL		[81-32926](#)	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		[81-32920](#)	
@code	1..1	SHALL		[81-32927](#)	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	[81-32928](#)	urn:oid:2.16.840.1.113883.1.11.20549 (Criticality Observation)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-32921).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-32922).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-32918) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.145" (CONF:81-32923).
4. **SHALL** contain exactly one [1..1] **code** (CONF:81-32919).