```
            <statusCode code="completed" />
            <value xsi:type="CD" code="255604002" displayName="Mild"
codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" />
        </observation>
    </entryRelationship>
</observation>
```

3.106 Text Observation

```
[observation: identifier urn:oid:2.16.840.1.113883.10.20.6.2.12 (open)]
```

Table 498: Text Observation Contexts

Contained By:	Contains:
Diagnostic Imaging Report (V3) (optional)	SOP Instance Observation (optional)
	Quantity Measurement Observation (optional)

DICOM Template 2000 specifies that Imaging Report Elements of Value Type Text are contained in sections. The Imaging Report Elements are inferred from Basic Diagnostic Imaging Report Observations that consist of image references and measurements (linear, area, volume, and numeric). Text DICOM Imaging Report Elements in this context are mapped to CDA text observations that are section components and are related to the SOP Instance Observations (templateId 2.16.840.1.113883.10.20.6.2.8) or Quantity Measurement Observations (templateId 2.16.840.1.113883.10.20.6.2.14) by the SPRT (Support) act relationship.

A Text Observation is required if the findings in the section text are represented as inferred from SOP Instance Observations.

Table 499: Text Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.12)					
@classCode	1..1	SHALL		81-9288	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = OBS
@moodCode	1..1	SHALL		81-9289	urn:oid:2.16.840.1.113883.5.1 001 (HL7ActMood) = EVN
templateId	1..1	SHALL		81-9290	
@root	1..1	SHALL		81-10534	2.16.840.1.113883.10.20.6.2. 12
code	1..1	SHALL		81-9291	
text	0..1	MAY		81-9295	
reference	0..1	SHOULD		81-15938	
@value	0..1	SHOULD		81-15939	
effectiveTime	0..1	SHOULD		81-9294	
value	1..1	SHALL	ED	81-9292	
entryRelationship	0..*	MAY		81-9298	
@typeCode	1..1	SHALL		81-9299	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		81-15941	SOP Instance Observation (identifier: urn:oid:2.16.840.1.113883.10. 20.6.2.8
entryRelationship	0..*	MAY		81-9301	
@typeCode	1..1	SHALL		81-9302	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		81-15942	Quantity Measurement Observation (identifier: urn:oid:2.16.840.1.113883.10. 20.6.2.14

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4 **STATIC**) (CONF:81-9288).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-9289).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-9290) such that it
    a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.6.2.12" (CONF:81-10534).
4. **SHALL** contain exactly one [1..1] **code** (CONF:81-9291).
5. **MAY** contain zero or one [0..1] **text** (CONF:81-9295).
    a. The text, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:81-15938).

i. The reference, if present, **SHOULD** contain zero or one [0..1] **@value** (CONF:81-15939).

   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:81-15940).

6. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:81-9294).

7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="ED" (CONF:81-9292).

8. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:81-9298) such that it

   a. **SHALL** contain exactly one [1..1] **@typeCode**="SPRT" Has Support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:81-9299).

   b. **SHALL** contain exactly one [1..1] <u>**SOP Instance Observation**</u> (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.8) (CONF:81-15941).

9. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:81-9301) such that it

   a. **SHALL** contain exactly one [1..1] **@typeCode**="SPRT" Has Support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:81-9302).

   b. **SHALL** contain exactly one [1..1] <u>**Quantity Measurement Observation**</u> (identifier: urn:oid:2.16.840.1.113883.10.20.6.2.14) (CONF:81-15942).

Figure 227: Text Observation Example

```
<text>
    <paragraph>
        <caption>Finding</caption>
        <content ID="Fndng2">The cardiomediastinum is within normal limits. The trachea is
midline. The previously described opacity at the medial right lung base has cleared. There
are no new infiltrates. There is a new round density at the left hilus, superiorly
(diameter about 45mm). A CT scan is recommended for further evaluation. The pleural spaces
are clear. The visualized musculoskeletal structures and the upper abdomen are stable and
unremarkable.</content>
    </paragraph>
  ...
</text>
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <!-- Text Observation -->
        <templateId root="2.16.840.1.113883.10.20.6.2.12"/>
        <code code="121071" codeSystem="1.2.840.10008.2.16.4"
          codeSystemName="DCM" displayName="Finding"/>
        <value xsi:type="ED">
            <reference value="#Fndng2"/>
        </value>
    ...

        <!-- entryRelationships to SOP Instance Observations and Quantity
         Measurement Observations may go here -->
    </observation>
</entry>
```

3.107 Tobacco Use (V2)

```
[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
(open)]
```

Table 500: Tobacco Use (V2) Contexts

Contained By:	Contains:
Health Concern Act (V2) (optional) Risk Concern Act (V2) (optional) Social History Section (V3) (optional)	Author Participation (optional)

This template represents a patient's tobacco use.

All the types of tobacco use are represented using the codes from the tobacco use and exposure-finding hierarchy in SNOMED CT, including codes required for recording smoking status in Meaningful Use Stage 2.

The effectiveTime element is used to describe dates associated with the patient's tobacco use. Whereas the Smoking Status - Meaningful Use (V2) template (2.16.840.1.113883.10.20.22.4.78:2014-06-09) represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation, this Tobacco Use template uses effectiveTime to represent the clinically relevant time of the observation. Thus, to record a former smoker, an observation of "cigarette smoker" will have an effectiveTime/low defining the time the patient started to smoke cigarettes and an effectiveTime/high defining the time the patient ceased to smoke cigarettes. To record a current smoker, the effectiveTime/low will define the time the patient started smoking and will have no effectiveTime/high to indicated that the patient is still smoking.