Figure 198: Problem Observation (V3) Example

```
<observation classCode="OBS" moodCode="EVN">
    <!-- ** Problem Observation (V3) ** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.4" extension="2015-08-01" />
    <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
    <code code="64572001" displayName="Condition"
                                codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMED CT">
        <translation code="75323-6"
            codeSystem="2.16.840.1.113883.6.1"
            codeSystemName="LOINC"
            displayName="Condition"/>
    </code>
    <!-- The statusCode reflects the status of the observation itself -->
    <statusCode code="completed" />
    <effectiveTime>
        <!-- The low value reflects the date of onset -->
        <!-- Based on patient symptoms, presumed onset is July 3, 2013 -->
        <low value="20130703" />
        <!-- The high value reflects when the problem was known to be resolved -->
        <!-- Based on signs and symptoms, appears to be resolved on Aug 14, 2013 -->
        <high value="20080814" />
    </effectiveTime>
    <value xsi:type="CD"
    code="233604007"
    codeSystem="2.16.840.1.113883.6.96"
    displayName="Pneumonia" />
    <author typeCode="AUT">
        <templateId root="2.16.840.1.113883.10.20.22.4.119" />
        <time value="200808141030-0800" />
        <assignedAuthor>
            <id extension="555555555" root="2.16.840.1.113883.4.6" />
            <code code="207QA0505X"
        displayName="Adult Medicine"
        codeSystem="2.16.840.1.113883.6.101"
        codeSystemName="Healthcare Provider Taxonomy (HIPAA)" />
        </assignedAuthor>
    </author>
</observation>
```

3.79.1 Longitudinal Care Wound Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01 (open)]

Table 425: Longitudinal Care Wound Observation (V2) Contexts

Contained By:	Contains:
Health Concern Act (V2) (optional)	Highest Pressure Ulcer Stage (optional)
Risk Concern Act (V2) (optional)	Wound Measurement Observation (optional)
Physical Exam Section (V3) (optional)	Wound Characteristic (optional)
	Author Participation (optional)
	Number of Pressure Ulcers Observation (V3) (optional)

This template represents acquired or surgical wounds and is not intended to encompass all wound types. The template applies to wounds such as pressure ulcers, surgical incisions, and deep tissue injury wounds. Information in this template may include information about the wound measurements characteristics.

Table 426: Longitudinal Care Wound Observation (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.114:2015-08-01)					
@classCode	1..1	SHALL		1198-31012	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		1198-31013	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1198-32947	
@root	1..1	SHALL		1198-29474	2.16.840.1.113883.10.20.22.4.114
@extension	1..1	SHALL		1198-32913	2015-08-01
code	1..1	SHALL		1198-29476	
@code	1..1	SHALL		1198-29477	ASSERTION
@codeSystem	1..1	SHALL		1198-31010	urn:oid:2.16.840.1.113883.5.4 (HL7ActCode) = 2.16.840.1.113883.5.4
value	1..1	SHALL	CD	1198-29485	urn:oid:2.16.840.1.113883.1.11.20.2.6 (Wound Type)
targetSiteCode	0..1	SHOULD		1198-29488	urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 (Body Site Value Set)
qualifier	0..*	MAY		1198-29490	
name	1..1	SHALL		1198-29491	
@code	1..1	SHALL		1198-29492	272741003
@codeSystem	1..1	SHALL		1198-31524	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
value	1..1	SHALL		1198-29493	
@code	1..1	SHALL		1198-29494	urn:oid:2.16.840.1.113883.11.20.9.37 (TargetSite Qualifiers)
author	0..*	SHOULD		1198-31542	Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119
entryRelationship	0..*	SHOULD		1198-29495	
@typeCode	1..1	SHALL		1198-29496	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP

XPath	Card.	Verb	Data Type	CONF#	Value
observation	1..1	SHALL		1198-29497	Wound Measurement Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.133
entryRelationship	0..*	SHOULD		1198-29503	
@typeCode	1..1	SHALL		1198-29504	COMP
observation	1..1	SHALL		1198-29505	Wound Characteristic (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.134
entryRelationship	0..*	MAY		1198-31890	
@typeCode	1..1	SHALL		1198-31891	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		1198-31892	Number of Pressure Ulcers Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01
entryRelationship	0..1	MAY		1198-31893	
@typeCode	1..1	SHALL		1198-31894	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = COMP
observation	1..1	SHALL		1198-31919	Highest Pressure Ulcer Stage (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.77

1. Conforms to **Problem Observation (V3)** template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.4:2015-08-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-31012).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:1198-31013).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-32947) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.114" (CONF:1198-29474).
   b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32913).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-29476).
   a. This code **SHALL** contain exactly one [1..1] **@code**="ASSERTION" assertion (CONF:1198-29477).
   b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.5.4" (CodeSystem: HL7ActCode urn:oid:2.16.840.1.113883.5.4) (CONF:1198-31010).

6. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHOULD** be selected from ValueSet **Wound Type** urn:oid:2.16.840.1.113883.1.11.20.2.6 **DYNAMIC** (CONF:1198-29485).

7. **SHOULD** contain zero or one [0..1] **targetSiteCode**, which **SHOULD** be selected from ValueSet **Body Site Value Set** urn:oid:2.16.840.1.113883.3.88.12.3221.8.9 **DYNAMIC** (CONF:1198-29488) such that it

If targetSite/qualifierCode name/value pairs are used, care must be taken to avoid conflict with the SNOMED-CT body structure code used in observation/value. SNOMED-CT body structure codes are often pre-coordinated with laterality.

    a. **MAY** contain zero or more [0..*] **qualifier** (CONF:1198-29490).

        i. The qualifier, if present, **SHALL** contain exactly one [1..1] **name** (CONF:1198-29491).

            1. This name **SHALL** contain exactly one [1..1] **@code**="272741003" laterality (CONF:1198-29492).

            2. This name **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.96" (CodeSystem: SNOMED CT urn:oid:2.16.840.1.113883.6.96) (CONF:1198-31524).

        ii. The qualifier, if present, **SHALL** contain exactly one [1..1] **value** (CONF:1198-29493).

            1. This value **SHALL** contain exactly one [1..1] **@code**, which **SHOULD** be selected from ValueSet **TargetSite Qualifiers** urn:oid:2.16.840.1.113883.11.20.9.37 **DYNAMIC** (CONF:1198-29494).

8. **SHOULD** contain zero or more [0..*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-31542).

9. **SHOULD** contain zero or more [0..*] **entryRelationship** (CONF:1198-29495) such that it

    a. **SHALL** contain exactly one [1..1] **@typeCode**="COMP" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002 **STATIC**) (CONF:1198-29496).

    b. **SHALL** contain exactly one [1..1] **Wound Measurement Observation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.133) (CONF:1198-29497).

10. **SHOULD** contain zero or more [0..*] **entryRelationship** (CONF:1198-29503) such that it

    a. **SHALL** contain exactly one [1..1] **@typeCode**="COMP" (CONF:1198-29504).

    b. **SHALL** contain exactly one [1..1] **Wound Characteristic** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.134) (CONF:1198-29505).

When the wound observed is a type of pressure ulcer, then this template SHOULD contain an entry for the Number of Pressure Ulcers.

11. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:1198-31890) 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) (CONF:1198-31891).

    b. **SHALL** contain exactly one [1..1] **Number of Pressure Ulcers Observation (V3)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.76:2015-08-01) (CONF:1198-31892).

When the wound observed is a type of pressure ulcer, then this template SHOULD contain an entry for the Highest Pressure Ulcer Stage.

12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:1198-31893) 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) (CONF:1198-31894).

    b. **SHALL** contain exactly one [1..1] **Highest Pressure Ulcer Stage** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.77) (CONF:1198-31919).

Table 427: Wound Type

Value Set: Wound Type urn:oid:2.16.840.1.113883.1.11.20.2.6
(Clinical Focus: General concepts representing injuries to the skin as seen commonly in long term care.),(Data Element Scope: condition),(Inclusion Criteria: Specific concepts consistent with the scope),(Exclusion Criteria: Any concept not identified)

This value set was imported on 6/29/2019 with a version of 20190319.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.20.2.6/expansion

Code	Code System	Code System OID	Print Name
125667009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Contusion (disorder)
128045006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Cellulitis (disorder)
129902007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Skin incision finding (finding)
13954005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Ischemic ulcer (disorder)
238792006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mixed arteriovenous leg ulcer (disorder)
247444006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Excoriation of skin (disorder)
247464001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Blistering eruption (disorder)
271761007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Scaly skin (finding)
271767006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Peeling of skin (finding)
271807003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Eruption of skin (disorder)
...			

Figure 199: Longitudinal Care Wound Observation Example

```
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <!-- Wound Observation template -->
        <templateId root="2.16.840.1.113883.10.20.22.4.114" extension="2015-08-01" />
        <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <statusCode code="completed" />
        <effectiveTime>
            <low value="20013103" />
        </effectiveTime>
        <value xsi:type="CD" code="425144005" codeSystem="2.16.840.1.113883.6.6"
displayName="Minor open wound" />
        <targetSiteCode code="182295001" codeSystem="2.16.840.1.113883.6.96"
displayName="anterior aspect of knee" />
        <author>
         ...
        </author>
        <entryRelationship typeCode="COMP">
            <observation classCode="OBS" moodCode="EVN">
                <!-- Wound Measurements Observation -->
                <templateId root="2.16.840.1.113883.10.20.22.4.133" />
                ...


            </observation>
        </entryRelationship>
        <entryRelationship typeCode="COMP">
            <observation classCode="OBS" moodCode="EVN">
                <!-- Wound Measurements Observation . -->
                <templateId root="2.16.840.1.113883.10.20.22.4.133" />
                ...


            </observation>
        </entryRelationship>
        <entryRelationship typeCode="COMP">
            <observation classCode="OBS" moodCode="EVN">
                <!-- Wound Characteristic -->
                <templateId root="2.16.840.1.113883.10.20.22.4.134" />
              ...


            </observation>
        </entryRelationship>
        <entryRelationship typeCode="COMP">
            <observation classCode="OBS" moodCode="EVN">
                <!-- Number of Pressure Ulcers -->
                <templateId root="2.16.840.1.113883.10.20.22.4.76" />
        ...


            </observation>
        </entryRelationship>
        <entryRelationship typeCode="COMP">
            <observation classCode="OBS" moodCode="EVN">
                <!-- Highest Pressure  Ulcers Stage -->
                <templateId root="2.16.840.1.113883.10.20.22.4.77" />
```

```
            ...

        </observation>
      </entryRelationship>
    </observation>
</entry>
```

3.80 Problem Status

```
[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20
(open)]
```

Table 428: Problem Status Contexts

Contained By:	Contains:
Problem Observation (V3) (optional)	

The Problem Status records the clinical status attributed to the problem.

Table 429: Problem Status Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.6:2019-06-20)					
@classCode	1..1	SHALL		1198-7357	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		1198-7358	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1198-7359	
@root	1..1	SHALL		1198-10518	2.16.840.1.113883.10.20.22.4.6
@extension	1..1	SHALL		1198-32961	2019-06-20
code	1..1	SHALL		1198-19162	
@code	1..1	SHALL		1198-19163	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 33999-4
statusCode	1..1	SHALL		1198-7364	
@code	1..1	SHALL		1198-19113	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
value	1..1	SHALL	CD	1198-7365	urn:oid:2.16.840.1.113883.3.88.12.80.68 (Problem Status)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1198-7357).