

**Figure 177: Number of Pressure Ulcers Observation (V3) Example**

```

<entryRelationship typeCode="COMP">
  <observation classCode="OBS" moodCode="EVN">
    <!-- Number of Pressure Ulcers -->
    <templateId root="2.16.840.1.113883.10.20.22.4.76" extension="2015-08-01"/>
    <id root="08edb7c0-2111-43f2-a784-9a5fdfaa67f0" />
    <code code="2264892003" displayName="Number of pressure ulcers"
          codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT">
      <translation code="75277-4"
                    displayName="Number of pressure ulcers"
                    codeSystem="2.16.840.1.113883.6.1"
                    codeSystemName="LOINC"></translation>
    </code>
    <statusCode code="completed" />
    <value xsi:type="INT" value="3" />
    <entryRelationship typeCode="SUBJ">
      <observation classCode="OBS" moodCode="EVN">
        <code code="ASSERTION" codeSystem="2.16.840.1.113883.5.4" />
        <value xsi:type="CD" code="421927004" codeSystem="2.16.840.1.113883.6.96"
              displayName="Pressure ulcer stage 3" />
      </observation>
    </entryRelationship>
  </observation>
</entryRelationship>

```

### 3.57 Nutrition Assessment

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.138 (open)]

**Table 361: Nutrition Assessment Contexts**

| Contained By:   | Contains:                                       |
|---|---|
| <a href="#">Nutritional Status Observation</a> (required)<br><a href="#">Health Concern Act (V2)</a> (optional)<br><a href="#">Risk Concern Act (V2)</a> (optional) | <a href="#">Author Participation</a> (optional) |

This template represents the patient's nutrition abilities and habits including intake, diet requirements or diet followed.

**Table 362: Nutrition Assessment Constraints Overview**

| XPath  | Card. | Verb   | Data Type | CONF#                      | Value   |
|--|-------|--------|-----------|----------------------------|---|
| observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.138) |       |        |           |                            |   |
| @classCode   | 1..1  | SHALL  |           | <a href="#">1098-32914</a> | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS   |
| @moodCode  | 1..1  | SHALL  |           | <a href="#">1098-32915</a> | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN   |
| templateId   | 1..1  | SHALL  |           | <a href="#">1098-32916</a> |   |
| @root  | 1..1  | SHALL  |           | <a href="#">1098-32917</a> | 2.16.840.1.113883.10.20.22.4.138  |
| id   | 1..*  | SHALL  |           | <a href="#">1098-32918</a> |   |
| code   | 1..1  | SHALL  |           | <a href="#">1098-32919</a> |   |
| @code  | 1..1  | SHALL  |           | <a href="#">1098-32926</a> | 75303-8   |
| @codeSystem  | 1..1  | SHALL  |           | <a href="#">1098-32927</a> | urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1                               |
| statusCode   | 1..1  | SHALL  |           | <a href="#">1098-32920</a> |   |
| @code  | 1..1  | SHALL  |           | <a href="#">1098-32921</a> | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed                                   |
| effectiveTime  | 1..1  | SHALL  |           | <a href="#">1098-32923</a> |   |
| value  | 1..1  | SHALL  |           | <a href="#">1098-32922</a> |   |
| author   | 0..*  | SHOULD |           | <a href="#">1098-32924</a> | <a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a> |

1. **SHALL** contain exactly one [1..1] **@classCode="OBS"** Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-32914).
2. **SHALL** contain exactly one [1..1] **@moodCode="EVN"** Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-32915).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-32916) such that it
  - a. **SHALL** contain exactly one [1..1] **@root="2.16.840.1.113883.10.20.22.4.138"** (CONF:1098-32917).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1098-32918).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-32919).
  - a. This code **SHALL** contain exactly one [1..1] **@code="75303-8"** Nutrition assessment (CONF:1098-32926).

- 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:1098-32927).
6. **SHALL** contain exactly one [1..1] `statusCode` (CONF:1098-32920).
  - 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:1098-32921).
7. **SHALL** contain exactly one [1..1] `effectiveTime` (CONF:1098-32923).
8. **SHALL** contain exactly one [1..1] `value` (CONF:1098-32922).
  - a. If `xsi:type="CD"`, **SHOULD** contain a code from SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) (CONF:1098-32925).
9. **SHOULD** contain zero or more [0..\*] `Author Participation` (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-32924).

**Figure 178: Nutrition Assessment Example**

```
<entryRelationship typeCode="SUBJ">
  <observation classCode="OBS" moodCode="EVN">
    <!-- ** Nutrition Assessment** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.138" />
    <id root="ab1791b0-5c71-11db-b0de-0800200c9a66" />
    <code code="75303-8"
      displayName="Nutrition assessment"
      codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" />
    <statusCode code="completed" />
    <effectiveTime value="20130512" />
    <value xsi:type="CD" code="437421000124105"
      displayName="Decreased sodium diet (regime/therapy)"
      codeSystem="2.16.840.1.113883.6.96"
      codeSystemName="SNOMED CT" />
    <author typeCode="AUT">
      <templateId root="2.16.840.1.113883.10.20.22.4.119" />
      <time value="201300512" />
      ...
    </author>
  </observation>
</entryRelationship>
```

### 3.58 Nutrition Recommendation

[act: identifier urn:oid:2.16.840.1.113883.10.20.22.4.130 (open)]

**Table 363: Nutrition Recommendation Contexts**

| Contained By:   | Contains:   |
|---|---|
| <a href="#">Plan of Treatment Section (V2)</a> (optional)<br><a href="#">Planned Intervention Act (V2)</a> (optional)<br><a href="#">Intervention Act (V2)</a> (optional) | <a href="#">Planned Act (V2)</a> (optional)<br><a href="#">Planned Encounter (V2)</a> (optional)<br><a href="#">Planned Procedure (V2)</a> (optional)<br><a href="#">Planned Observation (V2)</a> (optional)<br><a href="#">Planned Supply (V2)</a> (optional)<br><a href="#">Planned Medication Activity (V2)</a> (optional) |

This template represents nutrition regimens (e.g., fluid restrictions, calorie minimum), interventions (e.g., NPO, nutritional supplements), and procedures (e.g., G-Tube by bolus, TPN by central line). It may also depict the need for nutrition education.

**Table 364: Nutrition Recommendation Constraints Overview**

| XPath  | Card. | Verb   | Data Type | CONF#                      | Value   |
|--|-------|--------|-----------|----------------------------|---|
| act (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.130) |       |        |           |                            |   |
| @classCode   | 1..1  | SHALL  |           | <a href="#">1098-30385</a> | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT   |
| @moodCode  | 1..1  | SHALL  |           | <a href="#">1098-30386</a> | urn:oid:2.16.840.1.113883.11.20.9.23 (Planned moodCode (Act/Encounter/Procedure))                         |
| templateId   | 1..1  | SHALL  |           | <a href="#">1098-30340</a> |   |
| @root  | 1..1  | SHALL  |           | <a href="#">1098-30341</a> | 2.16.840.1.113883.10.20.22.4.130  |
| code   | 1..1  | SHALL  |           | <a href="#">1098-30342</a> | urn:oid:2.16.840.1.113883.1.1.1.20.2.9 (Nutrition Recommendations)  |
| statusCode   | 1..1  | SHALL  |           | <a href="#">1098-31697</a> |   |
| @code  | 1..1  | SHALL  |           | <a href="#">1098-31698</a> | urn:oid:2.16.840.1.113883.5.1.4 (HL7ActStatus) = active   |
| effectiveTime  | 0..1  | SHOULD |           | <a href="#">1098-31699</a> |   |
| entryRelationship  | 0..*  | MAY    |           | <a href="#">1098-32382</a> |   |
| @typeCode  | 1..1  | SHALL  |           | <a href="#">1098-32928</a> | urn:oid:2.16.840.1.113883.5.1.002 (HL7ActRelationshipType) = REFR   |
| encounter  | 1..1  | SHALL  |           | <a href="#">1098-32383</a> | <a href="#">Planned Encounter (V2)</a> (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09) |