## Figure 165: Instruction (V2) Example

```
<act classCode="ACT" moodCode="INT">
  <templateId root="2.16.840.1.113883.10.20.22.4.20" extension="2014-06-09" />
  <code code="171044003" codeSystem="2.16.840.1.113883.6.96" displayName="immunization
  education" />
  <text>
        <reference value="#immunSect" />
            Possible flu-like symptoms for three days.
        </text>
        <statusCode code="completed" />
        </act>
```

## 3.46 Intervention Act (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.131:2015-08-01 (open)]

Table 333: Intervention Act (V2) Contexts

| Contained By:                            | Contains:                                      |
|------------------------------------------|------------------------------------------------|
| Planned Intervention Act (V2) (optional) | Medication Activity (V2) (optional)            |
| Intervention Act (V2) (optional)         | Procedure Activity Act (V2) (optional)         |
| Interventions Section (V3) (optional)    | Procedure Activity Procedure (V2) (optional)   |
|                                          | Procedure Activity Observation (V2) (optional) |
|                                          | Non-Medicinal Supply Activity (V2) (optional)  |
|                                          | Nutrition Recommendation (optional)            |
|                                          | Handoff Communication Participants (optional)  |
|                                          | Instruction (V2) (optional)                    |
|                                          | Author Participation (optional)                |
|                                          | Entry Reference (optional)                     |
|                                          | External Document Reference (optional)         |
|                                          | Immunization Activity (V3) (optional)          |
|                                          | Advance Directive Observation (V3) (optional)  |
|                                          | Planned Intervention Act (V2) (optional)       |
|                                          | Intervention Act (V2) (optional)               |
|                                          | Encounter Activity (V3) (optional)             |

This template represents an Intervention Act. It is a wrapper for intervention-type activities considered to be parts of the same intervention. For example, an activity such as "elevate head of bed" combined with "provide humidified O2 per nasal cannula" may be the interventions performed for a health concern of "respiratory insufficiency" to achieve a goal of "pulse oximetry greater than 92%". These intervention activities may be newly described or derived from a variety of sources within an EHR. Interventions are actions taken to increase the likelihood of achieving the patient's or providers' goals. An Intervention Act should contain a reference to a Goal Observation representing the reason for the intervention.

Intervention Acts can be related to each other, or to Planned Intervention Acts. (E.g., a Planned Intervention Act with moodCode of INT could be related to a series of Intervention Acts with moodCode of EVN, each having an effectiveTime containing the time of the intervention.)

All interventions referenced in an Intervention Act must have a moodCode of EVN, indicating that they have occurred.

Table 334: Intervention Act (V2) Constraints Overview

| XPath                              | Card.       | Verb         | Data<br>Type | CONF#                        | Value                                                                                                 |
|------------------------------------|-------------|--------------|--------------|------------------------------|-------------------------------------------------------------------------------------------------------|
| act (identifier: urn:hl7ii:2.16.84 | 0.1.113883. | 10.20.22.4.1 | 31:2015-0    | 08-01)                       |                                                                                                       |
| @classCode                         | 11          | SHALL        |              | 1198-<br>30971               | urn:oid:2.16.840.1.113883.5.6<br>(HL7ActClass) = ACT                                                  |
| @moodCode                          | 11          | SHALL        |              | 1198-<br>30972               | urn:oid:2.16.840.1.113883.5.1<br>001 (HL7ActMood) = EVN                                               |
| templateId                         | 11          | SHALL        |              | 1198-<br>30973               |                                                                                                       |
| @root                              | 11          | SHALL        |              | 1198-<br>30974               | 2.16.840.1.113883.10.20.22.4<br>.131                                                                  |
| @extension                         | 11          | SHALL        |              | <u>1198-</u><br><u>32916</u> | 2015-08-01                                                                                            |
| id                                 | 1*          | SHALL        |              | 1198-<br>30975               |                                                                                                       |
| code                               | 11          | SHALL        |              | 1198-<br>30976               |                                                                                                       |
| @code                              | 11          | SHALL        |              | 1198-<br>30977               | 362956003                                                                                             |
| @codeSystem                        | 11          | SHALL        |              | <u>1198-</u><br><u>30978</u> | urn:oid:2.16.840.1.113883.6.9<br>6 (SNOMED CT) =<br>2.16.840.1.113883.6.96                            |
| statusCode                         | 11          | SHALL        |              | 1198-<br>30979               |                                                                                                       |
| @code                              | 11          | SHALL        |              | <u>1198-</u><br><u>32316</u> | urn:oid:2.16.840.1.113883.5.1<br>4 (HL7ActStatus) = completed                                         |
| effectiveTime                      | 01          | SHOULD       |              | 1198-<br>31624               |                                                                                                       |
| author                             | 0*          | SHOULD       |              | 1198-<br>31552               | Author Participation<br>(identifier:<br>urn:oid:2.16.840.1.113883.10.<br>20.22.4.119                  |
| entryRelationship                  | 0*          | MAY          |              | 1198-<br>30980               |                                                                                                       |
| @typeCode                          | 11          | SHALL        |              | 1198-<br>30981               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                               |
| observation                        | 11          | SHALL        |              | 1198-<br>30982               | Advance Directive Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.48:2015-08-01 |
| entryRelationship                  | 0*          | MAY          |              | <u>1198-</u><br><u>30984</u> |                                                                                                       |
| @typeCode                          | 11          | SHALL        |              | 1198-                        | urn:oid:2.16.840.1.113883.5.1                                                                         |

| XPath                   | Card. | Verb  | Data<br>Type | CONF#                        | Value                                                                                                   |
|-------------------------|-------|-------|--------------|------------------------------|---------------------------------------------------------------------------------------------------------|
|                         |       |       |              | 30985                        | 002 (HL7ActRelationshipType)<br>= REFR                                                                  |
| substanceAdministration | 11    | SHALL |              | 1198-<br>30986               | Immunization Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.52:2015-08-01           |
| entryRelationship       | 0*    | MAY   |              | 1198-<br>30988               |                                                                                                         |
| @typeCode               | 11    | SHALL |              | 1198-<br>30989               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                 |
| substanceAdministration | 11    | SHALL |              | 1198-<br>30990               | Medication Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.16:2014-06-09             |
| entryRelationship       | 0*    | MAY   |              | 1198-<br>30991               |                                                                                                         |
| @typeCode               | 11    | SHALL |              | <u>1198-</u><br><u>30992</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                 |
| act                     | 11    | SHALL |              | 1198-<br>30993               | Procedure Activity Act (V2)<br>(identifier:<br>urn:hl7ii:2.16.840.1.113883.1<br>0.20.22.4.12:2014-06-09 |
| entryRelationship       | 0*    | MAY   |              | 1198-<br>31154               |                                                                                                         |
| @typeCode               | 11    | SHALL |              | <u>1198-</u><br><u>31155</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                 |
| act                     | 11    | SHALL |              | 1198-<br>32460               | Intervention Act (V2)<br>(identifier:<br>urn:hl7ii:2.16.840.1.113883.1<br>0.20.22.4.131:2015-08-01      |
| entryRelationship       | 0*    | MAY   |              | 1198-<br>31164               |                                                                                                         |
| @typeCode               | 11    | SHALL |              | <u>1198-</u><br><u>31165</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                 |
| observation             | 11    | SHALL |              | 1198-<br>31166               | Procedure Activity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.13:2014-06-09  |
| entryRelationship       | 0*    | MAY   |              | <u>1198-</u><br><u>31168</u> |                                                                                                         |
| @typeCode               | 11    | SHALL |              | <u>1198-</u><br><u>31169</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                 |
| procedure               | 11    | SHALL |              | 1198-                        | Procedure Activity Procedure                                                                            |

| XPath             | Card. | Verb   | Data<br>Type | CONF#                        | Value                                                                                                          |
|-------------------|-------|--------|--------------|------------------------------|----------------------------------------------------------------------------------------------------------------|
|                   |       |        |              | 31170                        | (V2) (identifier:<br>urn:hl7ii:2.16.840.1.113883.1<br>0.20.22.4.14:2014-06-09                                  |
| entryRelationship | 0*    | MAY    |              | 1198-<br>31171               |                                                                                                                |
| @typeCode         | 11    | SHALL  |              | <u>1198-</u><br><u>31172</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                        |
| encounter         | 11    | SHALL  |              | 1198-<br>31173               | Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.49:2015-08-01                     |
| entryRelationship | 0*    | MAY    |              | 1198-<br>31174               |                                                                                                                |
| @typeCode         | 11    | SHALL  |              | 1198-<br>32956               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                        |
| act               | 11    | SHALL  |              | 1198-<br>31176               | Instruction (V2) (identifier:<br>urn:hl7ii:2.16.840.1.113883.1<br>0.20.22.4.20:2014-06-09                      |
| entryRelationship | 0*    | MAY    |              | 1198-<br>31177               |                                                                                                                |
| @typeCode         | 11    | SHALL  |              | 1198-<br>31178               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                        |
| supply            | 11    | SHALL  |              | 1198-<br>31179               | Non-Medicinal Supply Activity<br>(V2) (identifier:<br>urn:hl7ii:2.16.840.1.113883.1<br>0.20.22.4.50:2014-06-09 |
| entryRelationship | 0*    | MAY    |              | 1198-<br>31413               |                                                                                                                |
| act               | 11    | SHALL  |              | 1198-<br>31414               | Nutrition Recommendation<br>(identifier:<br>urn:oid:2.16.840.1.113883.10.<br>20.22.4.130                       |
| entryRelationship | 0*    | MAY    |              | 1198-<br>31545               |                                                                                                                |
| @typeCode         | 11    | SHALL  |              | <u>1198-</u><br><u>31554</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                                        |
| act               | 11    | SHALL  |              | <u>1198-</u><br><u>31555</u> | Entry Reference (identifier: urn:oid:2.16.840.1.113883.10. 20.22.4.122                                         |
| entryRelationship | 0*    | SHOULD |              | 1198-<br>31621               |                                                                                                                |
| @typeCode         | 11    | SHALL  |              | 1198-<br>31622               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= RSON                                        |

| XPath             | Card. | Verb  | Data<br>Type | CONF#                        | Value                                                                                             |
|-------------------|-------|-------|--------------|------------------------------|---------------------------------------------------------------------------------------------------|
| act               | 11    | SHALL |              | 1198-<br>31623               | Entry Reference (identifier: urn:oid:2.16.840.1.113883.10. 20.22.4.122                            |
| entryRelationship | 0*    | MAY   |              | <u>1198-</u><br><u>32317</u> |                                                                                                   |
| @typeCode         | 11    | SHALL |              | 1198-<br>32318               | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                           |
| act               | 11    | SHALL |              | 1198-<br>32319               | Handoff Communication Participants (identifier: urn:oid:2.16.840.1.113883.10. 20.22.4.141         |
| entryRelationship | 0*    | MAY   |              | 1198-<br>32914               |                                                                                                   |
| @typeCode         | 11    | SHALL |              | <u>1198-</u><br><u>32773</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                           |
| act               | 11    | SHALL |              | 1198-<br>32915               | Planned Intervention Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.146:2015-08-01 |
| reference         | 0*    | MAY   |              | 1198-<br>32760               |                                                                                                   |
| @typeCode         | 11    | SHALL |              | <u>1198-</u><br><u>32761</u> | urn:oid:2.16.840.1.113883.5.1<br>002 (HL7ActRelationshipType)<br>= REFR                           |
| externalDocument  | 11    | SHALL |              | 1198-<br>32762               | External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.115:2014-06-09   |

- 1. **SHALL** contain exactly one [1..1] @classCode="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-30971).
- 2. **SHALL** contain exactly one [1..1] **@moodCode="**EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1198-30972).
- 3. SHALL contain exactly one [1..1] templateId (CONF:1198-30973) such that it
  - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.131" (CONF:1198-30974).
  - b. **SHALL** contain exactly one [1..1] @extension="2015-08-01" (CONF:1198-32916).
- 4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-30975).
- 5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-30976).
  - a. This code **SHALL** contain exactly one [1..1] @code="362956003" procedure / intervention (navigational concept) (CONF:1198-30977).

- b. This code **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:1198-30978).
- 6. SHALL contain exactly one [1..1] statusCode (CONF:1198-30979).
  - 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:1198-32316).
- 7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1198-31624).
- 8. **SHOULD** contain zero or more [0..\*] <u>Author Participation</u> (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-31552).
- 9. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-30980) 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) (CONF:1198-30981).
  - b. SHALL contain exactly one [1..1] Advance Directive Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01) (CONF:1198-30982).
- 10. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-30984) 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) (CONF:1198-30985).
  - b. **SHALL** contain exactly one [1..1] <u>Immunization Activity (V3)</u> (identifier: urn:h17ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01) (CONF:1198-30986).
- 11. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-30988) 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) (CONF:1198-30989).
  - b. **SHALL** contain exactly one [1..1] <u>Medication Activity (V2)</u> (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2014-06-09) (CONF:1198-30990).
- 12. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-30991) 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) (CONF:1198-30992).
  - b. SHALL contain exactly one [1..1] Procedure Activity Act (V2) (identifier: urn:h17ii:2.16.840.1.113883.10.20.22.4.12:2014-06-09) (CONF:1198-30993).

The following entryRelationship represents the relationship between two Intervention Acts (Intervention RELATES TO Intervention).

- 13. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31154) 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) (CONF:1198-31155).

- b. SHALL contain exactly one [1..1] <u>Intervention Act (V2)</u> (identifier: urn:h17ii:2.16.840.1.113883.10.20.22.4.131:2015-08-01) (CONF:1198-32460).
- 14. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31164) 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) (CONF:1198-31165).
  - b. SHALL contain exactly one [1..1] Procedure Activity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.13:2014-06-09) (CONF:1198-31166).
- 15. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31168) 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) (CONF:1198-31169).
  - b. SHALL contain exactly one [1..1] Procedure Activity Procedure (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.14:2014-06-09) (CONF:1198-31170).
- 16. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31171) 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) (CONF:1198-31172).
  - b. SHALL contain exactly one [1..1] Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01) (CONF:1198-31173).
- 17. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31174) 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) (CONF:1198-32956).
  - b. **SHALL** contain exactly one [1..1] <u>Instruction (V2)</u> (identifier: urn:h17ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1198-31176).
- 18. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31177) 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) (CONF:1198-31178).
  - b. SHALL contain exactly one [1..1] Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09) (CONF:1198-31179).
- 19. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31413) such that it
  - a. **SHALL** contain exactly one [1..1] **Nutrition Recommendation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.130) (CONF:1198-31414).

Where an Intervention needs to reference another entry already described in the CDA document instance, rather than repeating the full content of the entry, the Entry Reference template may be used to reference this entry.

20. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-31545) 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) (CONF:1198-31554).
- b. **SHALL** contain exactly one [1..1] **Entry Reference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:1198-31555).

An Intervention Act should reference a Goal Observation. Because the Goal Observation is already described in the CDA document instance's Goals section, rather than repeating the full content of the Goal Observation, the Entry Reference template can be used to reference this entry. The following entryRelationship represents an Entry Reference to Goal Observation.

- 21. **SHOULD** contain zero or more [0..\*] **entryRelationship** (CONF:1198-31621) such that it
  - a. **SHALL** contain exactly one [1..1] @typeCode="RSON" Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-31622).
  - b. **SHALL** contain exactly one [1..1] **Entry Reference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:1198-31623).
  - c. This entryReference template **SHALL** reference an instance of a Goal Observation template (CONF:1198-32459).
- 22. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-32317) 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) (CONF:1198-32318).
  - b. **SHALL** contain exactly one [1..1] <u>Handoff Communication Participants</u> (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141) (CONF:1198-32319).
- 23. MAY contain zero or more [0..\*] entryRelationship (CONF:1198-32914) 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) (CONF:1198-32773).
  - b. **SHALL** contain exactly one [1..1] <u>Planned Intervention Act (V2)</u> (identifier: urn:h17ii:2.16.840.1.113883.10.20.22.4.146:2015-08-01) (CONF:1198-32915).
- 24. MAY contain zero or more [0..\*] reference (CONF:1198-32760).
  - a. The reference, if present, **SHALL** contain exactly one [1..1] @typeCode="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-32761).
  - b. The reference, if present, **SHALL** contain exactly one [1..1] **External Document**Reference (identifier:
    urn:h17ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:1198-32762).

## Figure 166: Intervention Act (moodCode="INT") Example

```
<!--
  This entry shows an act in intent mood (planned intervention-
 meaning this is intended to be done), with the reason "RSN" for the act
  being the already defined Goal (pulse ox reading > 92)
 The intervention contains relationships to different components of
 the intervention.
-->
<!-- Intervention Act -->
<act classCode="ACT" moodCode="INT">
    <templateId root="2.16.840.1.113883.10.20.22.4.131" />
    <id root="85fa4b62-e3a9-4385-b064-fe04cca35adb" />
    <code code="code for intervention" codeSystem="2.16.840.1.113883.6.96"</pre>
codeSystemName="SNOMED CT" displayName="Intervention" />
    <statusCode code="active" />
    <entryRelationship typeCode="REFR">
        <!-- The following act is one part of the intervention -
               "Elevate head of bed" -->
        <!-- Procedure Activity Act -->
        <act classCode="ACT" moodCode="INT">
            <templateId root="2.16.840.1.113883.10.20.22.4.12" extension="2015-08-01" />
            <id root="7658963e-54da-496f-bf18-dea1dddaa3b0" />
            <code code="423171007" codeSystem="2.16.840.1.113883.6.96"</pre>
codeSystemName="SNOMED CT" displayName="Elevate head of bed" />
            <statusCode code="active" />
        </act>
    </entryRelationship>
    <entryRelationship typeCode="REFR">
        <!-- The following procedure is one part of the intervention -
      "Oxygen administration by nasal cannula" -->
        <!-- Procedure Activity Procedure -->
        classCode="PROC" moodCode="INT">
            <templateId root="2.16.840.1.113883.10.20.22.4.14" extension="2014-06-09" />
            <id root="6a560f3d-88fd-4292-9415-f9371adaec46" />
            <code code="371907003" codeSystem="2.16.840.1.113883.6.96"</pre>
codeSystemName="SNOMED CT" displayName="Oxygen administration by nasal cannula" />
            <statusCode code="active" />
        </procedure>
    </entryRelationship>
    <!-- This entryRelationship represents the relationship between an
    Intervention Act and a Goal Observation (Intervention HAS REASON Goal).
    The Entry Reference template is being used here as this Goal is
    defined elsewhere in the CDA document -->
    <entryRelationship typeCode="RSON">
        <!-- Entry Reference template -->
        <act classCode="ACT" moodCode="EVN">
            <templateId root="2.16.840.1.113883.10.20.22.4.122" />
            <!-- This id points to an already defined Goal
        (pulse ox reading > 92) in the Goals Section -->
            <id root="3700b3b0-fbed-11e2-b778-0800200c9a66" />
            <code nullFlavor="NP" />
            <statusCode code="completed" />
        </act>
    </entryRelationship>
</act>
```

## 3.47 Medical Equipment Organizer

[organizer: identifier urn:oid:2.16.840.1.113883.10.20.22.4.135 (open)]

Table 335: Medical Equipment Organizer Contexts

| Contained By:                             | Contains:                                     |
|-------------------------------------------|-----------------------------------------------|
| Medical Equipment Section (V2) (optional) | Procedure Activity Procedure (V2) (optional)  |
|                                           | Non-Medicinal Supply Activity (V2) (optional) |

This template represents a set of current or historical medical devices, supplies, aids and equipment used by the patient. Examples are hearing aids, orthotic devices, ostomy supplies, visual aids, diabetic supplies such as syringes and pumps, and wheelchairs.

Devices that are applied during a procedure (e.g., cardiac pacemaker, gastrosomy tube, port catheter), whether permanent or temporary, are represented within the Procedure Activity Procedure (V2) template (templateId: 2.16.840.1.113883.10.20.22.4.14.2).