

### 3.66 *Planned Intervention Act (V2)*

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.146:2015-08-01  
(open) ]

**Table 387: Planned Intervention Act (V2) Contexts**

Contained By:	Contains:
<a href="#">Intervention Act (V2)</a> (optional) <a href="#">Interventions Section (V3)</a> (optional)	<a href="#">Medication Activity (V2)</a> (optional) <a href="#">Procedure Activity Act (V2)</a> (optional) <a href="#">Procedure Activity Procedure (V2)</a> (optional) <a href="#">Procedure Activity Observation (V2)</a> (optional) <a href="#">Non-Medicinal Supply Activity (V2)</a> (optional) <a href="#">Nutrition Recommendation</a> (optional) <a href="#">Planned Act (V2)</a> (optional) <a href="#">Planned Encounter (V2)</a> (optional) <a href="#">Planned Procedure (V2)</a> (optional) <a href="#">Planned Observation (V2)</a> (optional) <a href="#">Planned Supply (V2)</a> (optional) <a href="#">Planned Medication Activity (V2)</a> (optional) <a href="#">Handoff Communication Participants</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Entry Reference</a> (optional) <a href="#">Entry Reference</a> (required) <a href="#">External Document Reference</a> (optional) <a href="#">Planned Immunization Activity</a> (optional) <a href="#">Immunization Activity (V3)</a> (optional) <a href="#">Advance Directive Observation (V3)</a> (optional) <a href="#">Intervention Act (V2)</a> (optional) <a href="#">Encounter Activity (V3)</a> (optional)

This template represents a Planned Intervention Act. It is a wrapper for planned 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 planned for a health concern of "respiratory insufficiency" in order to attempt 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.

Planned Intervention Acts can be related to each other or to 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 a Planned Intervention Act must have moodCodes indicating that that are planned (have not yet occurred).

**Table 388: Planned Intervention Act (V2) Constraints Overview**

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.146:2015-08-01)					
@classCode	1..1	SHALL		<a href="#">1198-32678</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = ACT
@moodCode	1..1	SHALL		<a href="#">1198-32679</a>	urn:oid:2.16.840.1.113883.11.20.9.54 (Planned Intervention moodCode)
templateId	1..1	SHALL		<a href="#">1198-32653</a>	
@root	1..1	SHALL		<a href="#">1198-32680</a>	2.16.840.1.113883.10.20.22.4.146
@extension	1..1	SHALL		<a href="#">1198-32912</a>	2015-08-01
id	1..*	SHALL		<a href="#">1198-32681</a>	
code	1..1	SHALL		<a href="#">1198-32654</a>	
@code	1..1	SHALL		<a href="#">1198-32682</a>	362956003
@codeSystem	1..1	SHALL		<a href="#">1198-32683</a>	urn:oid:2.16.840.1.113883.6.96 (SNOMED CT) = 2.16.840.1.113883.6.96
statusCode	1..1	SHALL		<a href="#">1198-32655</a>	
@code	1..1	SHALL		<a href="#">1198-32684</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = active
effectiveTime	0..1	SHOULD		<a href="#">1198-32723</a>	
author	0..*	SHOULD		<a href="#">1198-32719</a>	<a href="#">Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32652</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32685</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1198-32677</a>	<a href="#">Advance Directive Observation (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.48:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32656</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32686</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
substanceAdministration	1..1	SHALL		<a href="#">1198-</a>	<a href="#">Immunization Activity (V3)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32687</a>	<a href="#">(identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.52:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32657</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32688</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
substanceAdministration	1..1	SHALL		<a href="#">1198-32689</a>	<a href="#">Medication Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.16:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32658</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32690</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32691</a>	<a href="#">Procedure Activity Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.12:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32659</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32692</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32693</a>	<a href="#">Intervention Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.131:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32660</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32694</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1198-32695</a>	<a href="#">Procedure Activity Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.13:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32661</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32696</a>	urn:oid:2.16.840.1.113883.5.1 002 (HL7ActRelationshipType) = REFR
procedure	1..1	SHALL		<a href="#">1198-32697</a>	<a href="#">Procedure Activity Procedure (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1 0.20.22.4.14:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-</a>	

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32662</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32698</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
encounter	1..1	SHALL		<a href="#">1198-32699</a>	<a href="#">Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32663</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32957</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32701</a>	<a href="#">Instruction (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32664</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32702</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">1198-32703</a>	<a href="#">Non-Medicinal Supply Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.50:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32665</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32704</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32705</a>	<a href="#">Planned Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32666</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32706</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
encounter	1..1	SHALL		<a href="#">1198-32707</a>	<a href="#">Planned Encounter (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32667</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32708</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		<a href="#">1198-32709</a>	<a href="#">Planned Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2014-06-09)</a>

XPath	Card.	Verb	Data Type	CONF#	Value
					<a href="#">urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.44:2014-06-09</a>
entryRelationship	0..*	MAY		<a href="#">1198-32668</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32710</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
procedure	1..1	SHALL		<a href="#">1198-32711</a>	<a href="#">Planned Procedure (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.41:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32669</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32712</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
substanceAdministration	1..1	SHALL		<a href="#">1198-32713</a>	<a href="#">Planned Medication Activity (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.42:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32670</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32714</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
supply	1..1	SHALL		<a href="#">1198-32715</a>	<a href="#">Planned Supply (V2) (identifier: urn:hl7ii:2.16.840.1.113883.1.0.20.22.4.43:2014-06-09)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32671</a>	
act	1..1	SHALL		<a href="#">1198-32716</a>	<a href="#">Nutrition Recommendation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.130)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32672</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32717</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32718</a>	<a href="#">Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)</a>
entryRelationship	1..*	SHALL		<a href="#">1198-32673</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32720</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = RSON
act	1..1	SHALL		<a href="#">1198-</a>	<a href="#">Entry Reference (identifier:</a>

XPath	Card.	Verb	Data Type	CONF#	Value
				<a href="#">32721</a>	<a href="#">urn:oid:2.16.840.1.113883.10.20.22.4.122</a>
entryRelationship	0..*	MAY		<a href="#">1198-32675</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32726</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		<a href="#">1198-32727</a>	<a href="#">Handoff Communication Participants (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141)</a>
entryRelationship	0..*	MAY		<a href="#">1198-32676</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32728</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
substanceAdministration	1..1	SHALL		<a href="#">1198-32729</a>	<a href="#">Planned Immunization Activity (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120)</a>
reference	0..*	MAY		<a href="#">1198-32766</a>	
@typeCode	1..1	SHALL		<a href="#">1198-32767</a>	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
externalDocument	1..1	SHALL		<a href="#">1198-32768</a>	<a href="#">External Document Reference (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09)</a>

1. **SHALL** contain exactly one [1..1] **@classCode**="ACT" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6) (CONF:1198-32678).
2. **SHALL** contain exactly one [1..1] **@moodCode**, which **SHALL** be selected from ValueSet [Planned Intervention moodCode](#) urn:oid:2.16.840.1.113883.11.20.9.54 **DYNAMIC** (CONF:1198-32679).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1198-32653) such that it
  - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.146" (CONF:1198-32680).
  - b. **SHALL** contain exactly one [1..1] **@extension**="2015-08-01" (CONF:1198-32912).
4. **SHALL** contain at least one [1..\*] **id** (CONF:1198-32681).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1198-32654).
  - a. This code **SHALL** contain exactly one [1..1] **@code**="362956003" procedure / intervention (navigational concept) (CONF:1198-32682).
  - 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:1198-32683).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1198-32655).
  - a. This **statusCode** **SHALL** contain exactly one [1..1] **@code="active"** Active (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14 **STATIC**) (CONF:1198-32684).
7. **SHOULD** contain zero or one [0..1] **effectiveTime** (CONF:1198-32723).
8. **SHOULD** contain zero or more [0..\*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1198-32719).
9. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32652) 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:1198-32685).
  - 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:1198-32677).
10. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32656) 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:1198-32686).
  - b. **SHALL** contain exactly one [1..1] **Immunization Activity (V3)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.52:2015-08-01) (CONF:1198-32687).
11. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32657) 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:1198-32688).
  - b. **SHALL** contain exactly one [1..1] **Medication Activity (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.16:2014-06-09) (CONF:1198-32689).
12. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32658) 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:1198-32690).
  - b. **SHALL** contain exactly one [1..1] **Procedure Activity Act (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.12:2014-06-09) (CONF:1198-32691).

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

13. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32659) 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:1198-32692).
  - b. **SHALL** contain exactly one [1..1] **Intervention Act (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.131:2015-08-01) (CONF:1198-32693).
14. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32660) 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:1198-32694).
  - 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:1198-32695).
- 15. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32661) 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:1198-32696).
  - 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:1198-32697).
- 16. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32662) 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:1198-32698).
  - 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:1198-32699).
- 17. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32663) 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:1198-32957).
  - b. **SHALL** contain exactly one [1..1] [Instruction \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.20:2014-06-09) (CONF:1198-32701).
- 18. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32664) 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:1198-32702).
  - 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:1198-32703).
- 19. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32665) 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:1198-32704).
  - b. **SHALL** contain exactly one [1..1] [Planned Act \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.39:2014-06-09) (CONF:1198-32705).
- 20. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32666) 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:1198-32706).



- b. **SHALL** contain exactly one [1..1] [Planned Encounter \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.40:2014-06-09) (CONF:1198-32707).
- 21. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32667) 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:1198-32708).
  - b. **SHALL** contain exactly one [1..1] [Planned Observation \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.44:2014-06-09) (CONF:1198-32709).
- 22. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32668) 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:1198-32710).
  - b. **SHALL** contain exactly one [1..1] [Planned Procedure \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.41:2014-06-09) (CONF:1198-32711).
- 23. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32669) such that it
  - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-32712).
  - b. **SHALL** contain exactly one [1..1] [Planned Medication Activity \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09) (CONF:1198-32713).
- 24. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32670) 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:1198-32714).
  - b. **SHALL** contain exactly one [1..1] [Planned Supply \(V2\)](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.43:2014-06-09) (CONF:1198-32715).
- 25. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32671) 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:1198-32716).

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.

- 26. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32672) 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:1198-32717).
  - b. **SHALL** contain exactly one [1..1] [Entry Reference](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:1198-32718).

An Intervention Act **SHALL** 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.

27. **SHALL** contain at least one [1..\*] **entryRelationship** (CONF:1198-32673) such that it
- SHALL** contain exactly one [1..1] **@typeCode="RSON"** Has reason (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-32720).
  - SHALL** contain exactly one [1..1] [Entry Reference](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:1198-32721).
  - This entryReference template **SHALL** reference an instance of a Goal Observation template (CONF:1198-32722).
28. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32675) such that it
- SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-32726).
  - SHALL** contain exactly one [1..1] [Handoff Communication Participants](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.141) (CONF:1198-32727).
29. **MAY** contain zero or more [0..\*] **entryRelationship** (CONF:1198-32676) such that it
- SHALL** contain exactly one [1..1] **@typeCode="REFR"** Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:1198-32728).
  - SHALL** contain exactly one [1..1] [Planned Immunization Activity](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.120) (CONF:1198-32729).
30. **MAY** contain zero or more [0..\*] **reference** (CONF:1198-32766).
- 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:1198-32767).
  - The reference, if present, **SHALL** contain exactly one [1..1] [External Document Reference](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.115:2014-06-09) (CONF:1198-32768).

**Table 389: Planned Intervention moodCode**

Value Set: Planned Intervention moodCode urn:oid:2.16.840.1.113883.11.20.9.54 Contains all the moodCode values it is possible to have for a Planned Intervention. Value Set Source: <a href="http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/inrastructure/vocabulary/vocabulary.html">http://www.hl7.org/documentcenter/public/standards/vocabulary/vocabulary_tables/inrastructure/vocabulary/vocabulary.html</a>			
Code	Code System	Code System OID	Print Name
APT	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Appointment
ARQ	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Appointment Request
INT	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Intent
PRMS	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Promise
PRP	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Proposal
RQO	HL7ActMood	urn:oid:2.16.840.1.113883.5.10.01	Request

### 3.67 Planned Medication Activity (V2)

[substanceAdministration: identifier  
urn:hl7ii:2.16.840.1.113883.10.20.22.4.42:2014-06-09 (open)]

**Table 390: Planned Medication Activity (V2) Contexts**

Contained By:	Contains:
<a href="#">Plan of Treatment Section (V2)</a> (optional) <a href="#">Nutrition Recommendation</a> (optional) <a href="#">Planned Intervention Act (V2)</a> (optional)	<a href="#">Indication (V2)</a> (optional) <a href="#">Medication Information (V2)</a> (required) <a href="#">Priority Preference</a> (optional) <a href="#">Instruction (V2)</a> (optional) <a href="#">Author Participation</a> (optional) <a href="#">Precondition for Substance Administration (V2)</a> (optional)

This template represents planned medication activities. The priority of the medication activity to the patient and provider is communicated through Priority Preference. The effectiveTime indicates the time when the medication activity is intended to take place. The authorTime indicates when the documentation of the plan occurred.