

- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CONF:4515-33024).
- 5. **SHALL** contain exactly one [1..1] **text** (CONF:4515-33020).
 - a. This text **SHALL** contain exactly one [1..1] **reference** (CONF:4515-16).
 - i. This reference **SHALL** contain exactly one [1..1] **@value** (CONF:4515-33025).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-33018).
 - 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:4515-33021).

Observation/value Interval Time Stamp holds the time range the Care Team Member participated on the Care Team of the patient.

- 7. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="IVL_TS" (CONF:4515-14).
 - a. This value **SHALL** contain exactly one [1..1] **low** (CONF:4515-33030).
 - b. This value **SHOULD** contain zero or one [0..1] **high** (CONF:4515-33029).

Figure 25: Care Team Member Schedule Observation Example

```
<!-- Care Team Member Schedule Observation (contained in Care Team Member Act) -->
<entry>
  <observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.500.3" extension="2016-06-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.500.3" extension="2022-06-01"/>
    <code code="57203-2" displayName="Episode Timing [CMS Assessment]"
      codeSystem="2.16.840.1.113883.6.1" codeSystemName="LOINC"/>
    <text>
      <reference value="#CareTeam_CT"/>
    </text>
    <statusCode code="completed"/>
    <value xsi:type="IVL_TS">
      <low value="20210401"/>
      <high value="20210412"/>
    </value>
  </observation>
</entry>
```

3.6 Care Team Organizer (V2)

[organizer: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01 (open)]

Table 36: Care Team Organizer (V2) Contexts

Contained By:	Contains:
Care Teams Section (V2) (optional)	Note Activity (optional) Care Team Type Observation (optional) Care Team Member Act (V2) (required)

This organizer template contains information about a single care team.

The author of the organizer is the person who documented the care team information.

The participants of the organizer are the care team lead(s) and the care team organization.

The components of the organizer contain the following information:

- The encounter that caused the care team to be formed
- Narrative information about the care team
- The care team members
- Reasons for the care team
- The care team type(s) - a care team can have multiple care team types

Table 37: Care Team Organizer (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
organizer (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500:2022-06-01)					
@classCode	1..1	SHALL		4515-124	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = CLUSTER
@moodCode	1..1	SHALL		4515-125	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		4515-112	
@root	1..1	SHALL		4515-117	2.16.840.1.113883.10.20.22.4.500
@extension	1..1	SHALL		4515-118	2022-06-01
id	1..*	SHALL		4515-126	
code	1..1	SHALL		4515-114	
@code	1..1	SHALL		4515-120	86744-0
@codeSystem	1..1	SHALL		4515-121	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
originalText	0..1	SHOULD		4515-154	
reference	1..1	SHALL		4515-155	
@value	1..1	SHALL		4515-156	
statusCode	1..1	SHALL		4515-113	
@code	1..1	SHALL		4515-119	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	1..1	SHALL		4515-127	
low	1..1	SHALL		4515-157	
high	0..1	MAY		4515-158	
author	0..*	SHOULD		4515-116	Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119)
participant	0..*	SHOULD		4515-128	
@typeCode	1..1	SHALL		4515-129	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = PPRF
sdtc:functionCode	0..1	MAY		4515-130	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
participantRole	1..1	SHALL		4515-131	
id	1..*	SHALL		4515-132	
participant	0..*	MAY		4515-134	
@typeCode	1..1	SHALL		4515-137	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		4515-135	

XPath	Card.	Verb	Data Type	CONF#	Value
id	1..*	SHALL		4515-138	
addr	0..1	SHOULD		4515-139	
telecom	0..*	SHOULD		4515-140	
playingEntity	1..1	SHALL		4515-136	
@classCode	1..1	SHALL		4515-141	urn:oid:2.16.840.1.113883.5.41 (HL7EntityClass) = PLC
name	1..1	SHALL		4515-142	
component	0..*	MAY		4515-110	
observation	1..1	SHALL		4515-163	Care Team Type Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01)
component	0..*	MAY		4515-146	
act	1..1	SHALL		4515-147	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122)
component	0..*	MAY		4515-148	
encounter	1..1	SHALL		4515-164	
id	1..*	SHALL		4515-165	
component	0..1	MAY		4515-150	
act	1..1	SHALL		4515-151	Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01)
component	1..*	SHALL		4515-152	
act	1..1	SHALL		4515-166	Care Team Member Act (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01)

1. **SHALL** contain exactly one [1..1] @classCode="CLUSTER" CLUSTER (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-124).
2. **SHALL** contain exactly one [1..1] @moodCode="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-125).
3. **SHALL** contain exactly one [1..1] templateId (CONF:4515-112) such that it
 - a. **SHALL** contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.500" (CONF:4515-117).
 - b. **SHALL** contain exactly one [1..1] @extension="2022-06-01" (CONF:4515-118).
4. **SHALL** contain at least one [1..*] id (CONF:4515-126).
5. **SHALL** contain exactly one [1..1] code (CONF:4515-114).
 - a. This code **SHALL** contain exactly one [1..1] @code="86744-0" Care Team (CONF:4515-120).

- b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-121).
- c. This code **SHOULD** contain zero or one [0..1] **originalText** (CONF:4515-154) such that it
 - i. **SHALL** contain exactly one [1..1] **reference** (CONF:4515-155).

The value attribute references the narrative in section.text where the care team name is rendered. The intention of this reference is to clarify which care team this Organizer refers to.

- 1. This reference **SHALL** contain exactly one [1..1] **@value** (CONF:4515-156).
- 6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-113).
 - a. This statusCode **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet ActStatus urn:oid:2.16.840.1.113883.1.11.15933 **STATIC** (CONF:4515-119).
Note: When statusCode has a value set, its value MAY be rendered in the narrative.
- 7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-127).
 - a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4515-157).
 - b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4515-158).
- 8. **SHOULD** contain zero or more [0..*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:4515-116).

This Participant represents the Care Team lead.

- 9. **SHOULD** contain zero or more [0..*] **participant** (CONF:4515-128) such that it
 - a. **SHALL** contain exactly one [1..1] **@typeCode**="PPRF" Primary Performer (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-129).
 - b. **MAY** contain zero or one [0..1] **sdtc:functionCode**, which **SHOULD** be selected from ValueSet Care Team Member Function urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC** (CONF:4515-130).
Note: Describes the person's, caregiver's or health care provider's functional role on the care team.
 - c. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-131).
 - i. This participantRole **SHALL** contain at least one [1..*] **id** (CONF:4515-132).
 - 1. This id **SHALL** match a performer/assignedEntity/id of at least one Care Team Member described in component/act (CONF:4515-133).
- 10. **MAY** contain zero or more [0..*] **participant** (CONF:4515-134) such that it
 - a. **SHALL** contain exactly one [1..1] **@typeCode**="LOC" Location (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-137).
 - b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-135).
 - i. This participantRole **SHALL** contain at least one [1..*] **id** (CONF:4515-138).
 - ii. This participantRole **SHOULD** contain zero or one [0..1] **addr** (CONF:4515-139).
 - iii. This participantRole **SHOULD** contain zero or more [0..*] **telecom** (CONF:4515-140).

- iv. This participantRole **SHALL** contain exactly one [1..1] **playingEntity** (CONF:4515-136).
 - 1. This playingEntity **SHALL** contain exactly one [1..1] **@classCode="PLC" Place** (CodeSystem: HL7EntityClass urn:oid:2.16.840.1.113883.5.41) (CONF:4515-141).
 - 2. This playingEntity **SHALL** contain exactly one [1..1] **name** (CONF:4515-142).
 - 11. **MAY** contain zero or more [0..*] **component** (CONF:4515-110) such that it
 - a. **SHALL** contain exactly one [1..1] **Care Team Type Observation** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01) (CONF:4515-163).
- The following components represent the reasons for the existence of the care team. These entry references are typically a health concern, risk concern or problem but can also be some other entry present in the document.
- 12. **MAY** contain zero or more [0..*] **component** (CONF:4515-146) such that it
 - a. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:4515-147).
 - 13. **MAY** contain zero or more [0..*] **component** (CONF:4515-148) such that it
 - a. **SHALL** contain exactly one [1..1] **encounter** (CONF:4515-164).
 - i. This encounter **SHALL** contain at least one [1..*] **id** (CONF:4515-165).
 Note: 1. If the id does not match an encounter/id from an encounter elsewhere within the same document and the id does not contain @nullFlavor=NA, then this entry SHALL conform to the Encounter Activity (V3) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.49:2015-08-01) (CONF:4435-145).
 - 14. **MAY** contain zero or one [0..1] **component** (CONF:4515-150) such that it
 - a. **SHALL** contain exactly one [1..1] **Note Activity** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01) (CONF:4515-151).
 - 15. **SHALL** contain at least one [1..*] **component** (CONF:4515-152) such that it
 - a. **SHALL** contain exactly one [1..1] **Care Team Member Act (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01) (CONF:4515-166).

Figure 26: Care Team Organizer Example

```

<!--Care Team Organizer-->
<entry>
  <organizer classCode="CLUSTER" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.500"
      extension="2019-07-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.500"
      extension="2022-06-01"/>
    <!--NEW Care Team Organizer Entry Template ID and extension-->
    <id root="1.1.1.1.1.1"/>
    <code code="86744-0" codeSystem="2.16.840.1.113883.6.1"
      codeSystemName="LOINC" displayName="Care Team">
      <originalText>
        <reference value="#CareTeamName1"/>
      </originalText>
    </code>
    <!--Care Team Status -
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion-->
    <statusCode code="active"/>
    <effectiveTime>
      <low value="201810081426-0500"/>
    </effectiveTime>
    <!-- This participant is the Care Team Lead (1..1)-->
    <!-- Care Team Lead is one of the contained care team members in the list of care
team members-->
    <participant typeCode="PPRF">
      <participantRole>
        <!--<This id matches at least one of the member's id in the Care Team
Member act template-->
        <id root="1.5.5.5.5.5.5"/>
      </participantRole>
    </participant>
    <!-- #1 Care Team Member Act - This component is a care team member who is a
provider -->
    <component>
      <act classCode="PCPR" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1"
          extension="2019-07-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.500.1"
          extension="2022-06-01"/>
        <id root="1.5.5.5.5.5.5"/>
        <code code="85847-2" codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC" displayName="Care Team Information"/>
        <!--Care Team Member Status -
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion-->
        <statusCode code="active"/>
        <effectiveTime xsi:type="IVL_TS">
          <low value="201810081426-0500"/>
        </effectiveTime>
        <!--Attributes about the provider member - name-->
        <performer typeCode="PRF">
          <functionCode
            xmlns="urn:hl7-org:sdhc" code="PCP"
            displayName="primary care physician"
            codeSystem="2.16.840.1.113883.5.88"
            codeSystemName="ParticipationFunction">

```

```

        <originalText
          xmlns="urn:hl7-org:v3">
            <reference value="#CT1_M01"/>
          </originalText>
        </functionCode>
        <!-- A care team member role -->
        <assignedEntity>
          <id root="B00B14E8-CDE4-48EA-8A09-01BC4945122A"
extension="1"/>
          <id root="1.5.5.5.5.5"/>
          <assignedPerson>
            <name>
              <given>John</given>
              <given>D</given>
              <family>Smith</family>,
              <suffix>MD</suffix>
            </name>
          </assignedPerson>
        </assignedEntity>
      </performer>
    </act>
  </component>
</organizer>
</entry>

```

3.7 Care Team Type Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.2:2019-07-01 (open)]

Table 38: Care Team Type Observation Contexts

Contained By:	Contains:
Care Team Organizer (V2) (optional)	

This template is used to express the care team type. A care team can have multiple care team types. Examples include but are not limited to:

- Condition focused, longitudinal care team
- Event focused, Home & Community Based Services care team
- Condition focused, clinical research care team
- Public health focused, Longitudinal care-coordination care team