Figure 23: Birth Sex Example

```
<observation classCode="OBS" moodCode="EVN">
    <!-- Not asserting conformance to Social History Observation due to different vocab. --
>
    <templateId root="2.16.840.1.113883.10.20.22.4.200" extension="2016-06-01"/>
    <code code="76689-9" codeSystem="2.16.840.1.113883.6.1"
          displayName="Sex Assigned At Birth"/>
    <text>
        <reference value="#BSex_Narrative1"/>
    </text>
    <statusCode code="completed"/>
    <!-- effectiveTime if present should match birthTime -->
    <!-- Request  name change to QRDA value set (2.16.840.1.113762.1.4.1) - ONC Birth Sex -
->
    <value xsi:type="CD" codeSystem="2.16.840.1.113883.5.1"
codeSystemName="AdministrativeGender"
          code="F" displayName="Female">
        <originalText>
            <reference value="#BSex_value"/>
        </originalText>
    </value>
    <author>
            ...
    </author>
</observation>
```

3.4   Care Team Member Act (V2)

[act: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01 (open)]

Table 31: Care Team Member Act (V2) Contexts

Contained By:	Contains:
Care Team Organizer (V2) (required)	Note Activity (optional) Care Team Member Schedule Observation (V2) (optional)

This template is used to represent a member of the care team. Care team members can include healthcare and community services providers, caregivers, relatives, the patient themselves, etc. A care team member can be another care team or an organization.

Care team member attributes include the following:

• Care team member status on the care team

• Care team member time (e.g. duration, point-in-time, etc.) on the care team

• Schedule of the care team member describing when the care team member usually participates on the care team

• Care team member function on the care team such as the care team member specialty, relationship to the patient, and also role on the care team

• Care team member name, address, telecom, organization, etc.

• Care team member information (narrative description about the care team member)

The performer/assignedEntity/id may be set equal to (a pointer to) an id on a performer elsewhere in the document (header or entries) or a new performer can be described here. If the id is pointing to a performer already described elsewhere in the document, assignedEntity/id is sufficient to identify this performer and none of the remaining details of assignedEntity are required to be set. Application Software must be responsible for resolving the identifier back to its original object and then rendering the information in the correct place in the containing section's narrative text.

This id must be a pointer to another Performer.

Table 32: Care Team Member Act (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
act (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.1:2022-06-01)					
@classCode	1..1	SHALL		4515-53	PCPR
@moodCode	1..1	SHALL		4515-54	EVN
templateId	1..1	SHALL		4515-45	
@root	1..1	SHALL		4515-66	2.16.840.1.113883.10.20.22.4.500.1
@extension	1..1	SHALL		4515-67	2022-06-01
code	1..1	SHALL		4515-27	
@code	1..1	SHALL		4515-48	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 85847-2
@codeSystem	1..1	SHALL		4515-49	2.16.840.1.113883.6.1
statusCode	1..1	SHALL		4515-62	
@code	1..1	SHALL		4515-68	urn:oid:2.16.840.1.113883.1.11.15933 (ActStatus)
effectiveTime	1..1	SHALL		4515-33	
low	1..1	SHALL		4515-167	
high	0..1	MAY		4515-168	
performer	1..1	SHALL		4515-160	
sdtc:functionCode	0..1	MAY		4515-161	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
assignedEntity	1..1	SHALL		4515-175	
id	1..*	SHALL		4515-176	
@root	0..1	SHOULD		4515-177	2.16.840.1.113883.4.6
addr	0..*	SHOULD		4515-182	
telecom	0..*	SHOULD		4515-183	
assignedPerson	0..1	SHOULD		4515-178	
name	1..1	SHALL		4515-179	US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1
representedOrganization	0..1	MAY		4515-181	
participant	0..*	MAY		4515-171	
@typeCode	1..1	SHALL		4515-174	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = LOC
participantRole	1..1	SHALL		4515-173	
participant	0..*	MAY		4515-76	
@typeCode	1..1	SHALL		4515-78	urn:oid:2.16.840.1.113883.5.90 (HL7ParticipationType) = IND

XPath	Card.	Verb	Data Type	CONF#	Value
sdtc:functionCode	1..1	SHALL		4515-169	urn:oid:2.16.840.1.113762.1.4.1099.30 (Care Team Member Function)
entryRelationship	0..*	MAY		4515-86	
@typeCode	1..1	SHALL		4515-87	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
encounter	1..1	SHALL		4515-88	
id	1..1	SHALL		4515-89	
entryRelationship	0..*	MAY		4515-91	
@typeCode	1..1	SHALL		4515-92	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
act	1..1	SHALL		4515-93	Note Activity (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.202:2016-11-01
entryRelationship	0..1	MAY		4515-94	
@typeCode	1..1	SHALL		4515-96	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		4515-95	Care Team Member Schedule Observation (V2) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01

1. **SHALL** contain exactly one [1..1] **@classCode**="PCPR" Provision of Care (CONF:4515-53).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CONF:4515-54).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-45) such that it
    a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.500.1" (CONF:4515-66).
    b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-67).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4515-27).
    a. This code **SHALL** contain exactly one [1..1] **@code**="85847-2" Patient Care team information (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1) (CONF:4515-48).
    b. This code **SHALL** contain exactly one [1..1] **@codeSystem**="2.16.840.1.113883.6.1" LOINC (CONF:4515-49).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-62).
    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** 2019-05-27 (CONF:4515-68).
6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-33).
    a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4515-167).
    b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4515-168).

7. **SHALL** contain exactly one [1..1] **performer** (CONF:4515-160) such that it
    a. **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:4515-161).
        Note: This sdtc:functionCode represents the function or role of the member on the care team. For example, the care team member roles on the care team can be a caregiver and a professional nurse or a primary care provider and the care coordinator.
    b. **SHALL** contain exactly one [1..1] **assignedEntity** (CONF:4515-175).
        i. This assignedEntity **SHALL** contain at least one [1..*] **id** (CONF:4515-176).
            1. Such ids **SHOULD** contain zero or one [0..1] **@root**="2.16.840.1.113883.4.6" National Provider Identifier (CONF:4515-177).
            2. If the assignedEntity/id is not referencing a Performer elsewhere in the document with an assignedPerson populated, this assignedEntity **SHALL** contain exactly one [1..1] assignedPerson (CONF:4515-180).
        ii. This assignedEntity **SHOULD** contain zero or more [0..*] **addr** (CONF:4515-182).
        iii. This assignedEntity **SHOULD** contain zero or more [0..*] **telecom** (CONF:4515-183).
        iv. This assignedEntity **SHOULD** contain zero or one [0..1] **assignedPerson** (CONF:4515-178).
            Note: This assignedPerson must be present on at least one performer in this document for each unique assignedEntity/id.
            1. The assignedPerson, if present, **SHALL** contain exactly one [1..1] US Realm Person Name (PN.US.FIELDED) (identifier: urn:oid:2.16.840.1.113883.10.20.22.5.1.1) (CONF:4515-179).
        v. This assignedEntity **MAY** contain zero or one [0..1] **representedOrganization** (CONF:4515-181).
            1. When a provider is working on behalf of an organization an addr & telecom **SHALL** be present in representedOrganization (CONF:4515-184).

This participant represents the location where the care team member provides the service

8. **MAY** contain zero or more [0..*] **participant** (CONF:4515-171) 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:4515-174).
    b. **SHALL** contain exactly one [1..1] **participantRole** (CONF:4515-173).

This participant is used to express additional care team functions performed by this member of the team. Include additional participant to record additional roles (functionCode) this Care Team member plays.

9. **MAY** contain zero or more [0..*] **participant** (CONF:4515-76) such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="IND" Indirect Target (CodeSystem: HL7ParticipationType urn:oid:2.16.840.1.113883.5.90) (CONF:4515-78).

b. **SHALL** contain exactly one [1..1] **sdtc:functionCode**, which **SHALL** be selected from ValueSet **Care Team Member Function** urn:oid:2.16.840.1.113762.1.4.1099.30 **DYNAMIC** (CONF:4515-169).

c. This participantRole **SHALL** contain exactly one [1..1] @nullFlavor="NI" No Information. (CONF:4515-172).

10. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:4515-86) 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:4515-87).

b. **SHALL** contain exactly one [1..1] **encounter** (CONF:4515-88).

   i. This encounter **SHALL** contain exactly one [1..1] **id** (CONF:4515-89).

      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:4515-90).

This is the note activity to naratively describe information about the member on the care team.

11. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:4515-91) 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:4515-92).

b. **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:4515-93).

This is the schedule of when or how frequently the care team member participates (or provides care to the patient) on the care team.

12. **MAY** contain zero or one [0..1] **entryRelationship** (CONF:4515-94) 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:4515-96).

b. **SHALL** contain exactly one [1..1] **Care Team Member Schedule Observation (V2)** (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-06-01) (CONF:4515-95).

Table 33: ActStatus

Code	Code System	Code System OID	Print Name
-Value Set: ActStatus urn:oid:2.16.840.1.113883.1.11.15933 Contains the names (codes) for each of the states in the state-machine of the RIM Act class. Value Set Source: **https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.1.11.15933/expansion**			

Code	Code System	Code System OID	Print Name
normal	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	normal
aborted	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	aborted
active	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	active
cancelled	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	cancelled
completed	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	completed
held	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	held
new	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	new
suspended	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	suspended
nullified	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	nullified
obsolete	HL7ActStatus	urn:oid:2.16.840.1.113883.5.14	obsolete

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Figure 24: Care Team Member Act 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"/>
...

        <!--NEW Care Team Organizer Entry Template ID and extension-->
...

        <!-- #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"/>
                <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:sdtc" 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"></reference>
                        </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>
```

3.5 Care Team Member Schedule Observation (V2)

```
[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.500.3:2022-
06-01 (open)]
```

Table 34: Care Team Member Schedule Observation (V2) Contexts

Contained By:	Contains:
Care Team Member Act (V2) (optional)	

This template represents the schedule of when the care team member participates on the care team. Examples include:
• An oncologist who participated on the care team for one week.
• A primary care provider who participated on a care team during one summer (e.g. in the case of patients who are snow-birds).
• A crisis team who participated on the care team for the patient during an inpatient stay (e.g. in the case of children with special needs).