4. **SHALL** contain exactly one [1..1] `code` (CONF:3250-32952).
    a. This code **SHALL** contain exactly one [1..1] `@code`="82607-3" Section Time Range (CodeSystem: LOINC urn:oid:2.16.840.1.113883.6.1 **STATIC**) (CONF:3250-32957).
    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 **STATIC**) (CONF:3250-32958).
5. **SHALL** contain exactly one [1..1] `text` (CONF:3250-32962).
    a. This text **SHALL** contain exactly one [1..1] `reference` (CONF:3250-32963).
        i. This reference **SHALL** contain exactly one [1..1] `@value` (CONF:3250-32964).
6. **SHALL** contain exactly one [1..1] `statusCode` (CONF:3250-32950).
    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:3250-32954).
7. **SHALL** contain exactly one [1..1] `value` with @xsi:type="IVL_TS" (CONF:3250-32953).
    a. This value **SHALL** contain exactly one [1..1] `low` (CONF:3250-32965).
    b. This value **SHALL** contain exactly one [1..1] `high` (CONF:3250-32966).

Figure 53: Section Time Range Example

```
<!--  Section Time Range Observation -->
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.68.99999"/>
    <code code="82607-3" codeSystem="2.16.840.1.113883.6.1"
              displayName="Section Date and Time Range"/>
    <text>
        <reference value="#TS_Narrative1"/>
    </text>
    <statusCode code="completed"/>
    <value xsi:type="IVL_TS">
        <low value="20120815"/>
        <high value="20150815"/>
    </value>
</observation>
```

3.25 Sex Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.507:2023-06-28 (open)]

This Sex Observation template is used to reflect the documentation of a person's sex. Systems choosing to record the source of information should include the Provenance participation. USCDI v3 includes a data element for sex, intended to support the exchange of a sex value that is not characterized as sex assigned at birth or birth sex. This version of the C-CDA companion guide supports USCDI v3 Sex data element. Sex assigned at birth or birth sex must be recorded using the **Birth Sex Observation** which falls under the broader category of a "Sex observation". A Data Absent Reason (DAR) code value of "asked-declined" may be used when a person has chosen not to disclose their sex.

Future versions of the template may be informed by the content of the HL7 Cross Paradigm IG: Gender Harmony - Sex and Gender Representation, which may include additional guidance on this Sex observation and the relationship to administrative gender (administrativeGenderCode).

It is recommended systems include the Sex Observation in the Social History section.

Table 81: Sex Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.507:2023-06-28)					
@classCode	1..1	SHALL		4547-33088	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		4547-33089	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		4547-33078	
@root	1..1	SHALL		4547-33083	2.16.840.1.113883.10.20.22.4.507
@extension	1..1	SHALL		4547-33084	2023-06-28
code	1..1	SHALL		4547-33079	
@code	1..1	SHALL		4547-33085	46098-0
@codeSystem	1..1	SHALL		4547-33086	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		4547-33077	
@code	1..1	SHALL		4547-33082	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		4547-33081	
low	1..1	SHALL NOT		4547-33090	
width	1..1	SHALL NOT		4547-33091	
high	1..1	SHALL NOT		4547-33092	
center	1..1	SHALL NOT		4547-33093	
value	1..1	SHALL	CD	4547-33080	
@nullFlavor	0..0	SHALL NOT		4547-33094	
@code	1..1	SHALL		4547-33098	urn:oid:2.16.840.1.113762.1.4.1240.3 (Sex)

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4547-33088).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4547-33089).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4547-33078) such that it
    a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.507" (CONF:4547-33083).
    b. **SHALL** contain exactly one [1..1] **@extension**="2023-06-28" (CONF:4547-33084).
4. **SHALL** contain exactly one [1..1] **code** (CONF:4547-33079).
    a. This code **SHALL** contain exactly one [1..1] **@code**="46098-0" Sex (CONF:4547-33085).
    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 **STATIC**) (CONF:4547-33086).
5. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4547-33077).
    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:4547-33082).
6. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4547-33081).

Note: This template represents a "snapshot in time" observation, simply reflecting the patient's sex documentation at the time of the observation.

    a. This effectiveTime **SHALL NOT** contain exactly one [1..1] **low** (CONF:4547-33090).
    b. This effectiveTime **SHALL NOT** contain exactly one [1..1] **width** (CONF:4547-33091).
    c. This effectiveTime **SHALL NOT** contain exactly one [1..1] **high** (CONF:4547-33092).
    d. This effectiveTime **SHALL NOT** contain exactly one [1..1] **center** (CONF:4547-33093).
7. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD" (CONF:4547-33080).
    a. This value **SHALL NOT** contain [0..0] **@nullFlavor** (CONF:4547-33094).
    b. This value **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet **Sex** urn:oid:2.16.840.1.113762.1.4.1240.3 **DYNAMIC** 2023-06-28 (CONF:4547-33098).

Table 82: Sex

Value Set: Sex urn:oid:2.16.840.1.113762.1.4.1240.3
(Clinical Focus: This grouped value set contains codes for the terms Male, Female, Patient Sex Unknown, and to represent when a person declined to provide this information. These are used for documentation of a person's sex.),(Data Element Scope: A data element used for general documentation of sex representation),(Inclusion Criteria: The general codes selected.),(Exclusion Criteria: Sex or gender related concepts that are more detailed or specific in nature.)

This value set was imported on 6/28/2023 with a version of Latest.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1240.3/expansion

Code	Code System	Code System OID	Print Name
184115007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Patient sex unknown (finding)
248152002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Female (finding)
248153007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Male (finding)
asked-declined	DataAbsentReason	urn:oid:2.16.840.1.113883.4.642.4.1048	Asked But Declined

Figure 54: Sex Example

```
<observation classCode="OBS" moodCode="EVN">
   <templateId root="2.16.840.1.113883.10.20.22.4.507" extension="2023-06-28"/>
   <id root="5501b49a-32ea-4c78-9c31-3dbe782871z7"/>
   <code code="46098-0" codeSystem="2.16.840.1.113883.6.1"
                         codeSystemName="LOINC" displayName="Sex"/>
   <statusCode code="completed"/>
   <!-- The effectiveTime reflects the point in time when the current sex instance was
noted. -->
   <effectiveTime value="20230501"/>
   <value xsi:type="CD" code="248152002"
                        displayName="Female"
                        codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED
CT"/>
</observation>
```

3.26 *Social History Observation (V4)*

> [observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01
> (open)]

This template represents a patient's job (occupation and industry), lifestyle, and environmental health risk factors. Demographic data (e.g., marital status, race, ethnicity, religious affiliation) are captured in the header. Though tobacco use and exposure may be represented with a Social History Observation, it is recommended to use the Current Smoking Status template or the Tobacco Use template instead, to represent smoking or tobacco habits.
There are supplemental templates and guidance for observations of **Occupational Data for Health**,