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](https://trifolia.lantanagroup.com/TemplateManagement/View/II/2.16.840.1.113883.10.20.22.4.507/2023-06-28#E_Birth_Sex_Observation_V2) 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](#C_4547-33088) | urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS |
| @moodCode | 1..1 | SHALL |  | [4547-33089](#C_4547-33089) | urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN |
| templateId | 1..1 | SHALL |  | [4547-33078](#C_4547-33078) |  |
| @root | 1..1 | SHALL |  | [4547-33083](#C_4547-33083) | 2.16.840.1.113883.10.20.22.4.507 |
| @extension | 1..1 | SHALL |  | [4547-33084](#C_4547-33084) | 2023-06-25 |
| code | 1..1 | SHALL |  | [4547-33079](#C_4547-33079) |  |
| @code | 1..1 | SHALL |  | [4547-33085](#C_4547-33085) | 46098-0 |
| @codeSystem | 1..1 | SHALL |  | [4547-33086](#C_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](#C_4547-33077) |  |
| @code | 1..1 | SHALL |  | [4547-33082](#C_4547-33082) | urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed |
| effectiveTime | 1..1 | SHALL |  | [4547-33081](#C_4547-33081) |  |
| low | 1..1 | SHALL NOT |  | [4547-33090](#C_4547-33090) |  |
| width | 1..1 | SHALL NOT |  | [4547-33091](#C_4547-33091) |  |
| high | 1..1 | SHALL NOT |  | [4547-33092](#C_4547-33092) |  |
| center | 1..1 | SHALL NOT |  | [4547-33093](#C_4547-33093) |  |
| value | 1..1 | SHALL | CD | [4547-33080](#C_4547-33080) |  |
| @nullFlavor | 0..0 | SHALL NOT |  | [4547-33094](#C_4547-33094) |  |
| @code | 1..1 | SHALL |  | [4547-33098](#C_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
   1. SHALL contain exactly one [1..1] @root="2.16.840.1.113883.10.20.22.4.507" (CONF:4547-33083).
   2. SHALL contain exactly one [1..1] @extension="2023-06-28" (CONF:4547-33084).
4. SHALL contain exactly one [1..1] code (CONF:4547-33079).
   1. This code SHALL contain exactly one [1..1] @code="46098-0" Sex (CONF:4547-33085).
   2. 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).
   1. 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.

* 1. This effectiveTime SHALL NOT contain exactly one [1..1] low (CONF:4547-33090).
  2. This effectiveTime SHALL NOT contain exactly one [1..1] width (CONF:4547-33091).
  3. This effectiveTime SHALL NOT contain exactly one [1..1] high (CONF:4547-33092).
  4. This effectiveTime SHALL NOT contain exactly one [1..1] center (CONF:4547-33093).

1. SHALL contain exactly one [1..1] value with @xsi:type="CD" (CONF:4547-33080).
   1. This value SHALL NOT contain [0..0] @nullFlavor (CONF:4547-33094).
   2. This value SHALL contain exactly one [1..1] @code, which SHALL be selected from ValueSet [Sex](#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 is made up SNOMED CT codes for the terms Male, Female, Patient Sex Unknown, for documentation of a person’s sex. And an HL7 Data Absent Reason (DAR) code of asked-declined  This value set was imported on 6/15/2023 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 | HL7 DataAbsentReason | urn:oid:2.16.840.1.113883.4.642.3.5 | asked-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>

Screen shot of current grouped set in VSAC that will be updated to remove adminstrativeGender codes value set and replace with “asked-declined” (single member value set) from the HL7 Data Absent Reason code system when code system is available in VSAC by end of next week.

A screenshot of a computer

Description automatically generated with medium confidence