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**,

nutrition and **pregnancy** that could be captured in the Social History Observation, and implementers may want to consider using those more specific templates in the Social History section.

HL7 CDA® R2 IG: C-CDA Templates for Clinical Notes STU Companion Guide, Release 4.1 - US Realm
June 2023

Table 83: Social History Observation (V4) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01)					
@classCode	1..1	SHALL		4515-8548	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		4515-8549	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		4515-8550	
@root	1..1	SHALL		4515-10526	2.16.840.1.113883.10.20.22.4.38
@extension	1..1	SHALL		4515-32495	2022-06-01
id	1..*	SHALL		4515-8551	
code	1..1	SHALL		4515-8558	urn:oid:2.16.840.1.113883.3.88.12.80.60 (Social History Type)
statusCode	1..1	SHALL		4515-8553	
@code	1..1	SHALL		4515-19117	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		4515-31868	
value	0..1	SHOULD		4515-8559	
author	0..*	SHOULD		4515-31869	Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119
entryRelationship	0..*	MAY		4515-32958	
@typeCode	1..1	SHALL		4515-32960	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
observation	1..1	SHALL		4515-32959	Assessment Scale Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.69
entryRelationship	0..*	MAY		4515-32969	
@typeCode	1..1	SHALL		4515-32971	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = SPRT
act	1..1	SHALL		4515-32970	Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-8548).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-8549).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:4515-8550) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.38" (CONF:4515-10526).
   b. **SHALL** contain exactly one [1..1] **@extension**="2022-06-01" (CONF:4515-32495).
4. **SHALL** contain at least one [1..*] **id** (CONF:4515-8551).
5. **SHALL** contain exactly one [1..1] **code**, which **SHOULD** be selected from ValueSet **Social History Type** urn:oid:2.16.840.1.113883.3.88.12.80.60 **DYNAMIC** (CONF:4515-8558).
   a. If @codeSystem is not LOINC, then this code **SHALL** contain at least one [1..*] translation, which **SHOULD** be selected from CodeSystem LOINC (urn:oid:2.16.840.1.113883.6.1) (CONF:4515-32956).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4515-8553).
   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:4515-19117).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-31868).
8. **SHOULD** contain zero or one [0..1] **value** (CONF:4515-8559).

NOTE: The base CDA R2.0 standard requires @unit to be drawn from UCUM, and best practice is to use case sensitive UCUM units

   a. If Observation/value is a physical quantity (xsi:type="PQ"), the unit of measure **SHOULD** be selected from ValueSet UnitsOfMeasureCaseSensitive (2.16.840.1.113883.1.11.12839) *DYNAMIC* (CONF:4515-8555).
   b. If the Social History Observation is a Social Determinant of Health Observation, the observation/value code **SHOULD** be selected from ValueSet **Social Determinant of Health Conditions 2.16.840.1.113762.1.4.1196.788** **DYNAMIC** (CONF:4515-32957).
9. **SHOULD** contain zero or more [0..*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:4515-31869).

When an Assessment Scale Observation is contained in a Social History Observation instance that is a Social Determinant of Health Social History Observation, that Assessment Scale Observation MAY contain Assessment Scale Supporting Observations that contain LOINC question and answer pairs from SDOH screening instruments.

10. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:4515-32958) such that it
    a. **SHALL** contain exactly one [1..1] **@typeCode**="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32960).
    b. **SHALL** contain exactly one [1..1] Assessment Scale Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.69) (CONF:4515-32959).

When an Entry Reference is contained in a Social History Template instance that is a Social Determinant of Health Social History, that Entry Reference **MAY** reference an Assessment Scale Observation elsewhere in the document that represent LOINC question and answer pairs from SDOH screening instruments.

11. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:4515-32969) such that it

    a. **SHALL** contain exactly one [1..1] **@typeCode**="SPRT" Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32971).

    b. **SHALL** contain exactly one [1..1] Entry Reference (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:4515-32970).

Table 84: Social History Type

Value Set: Social History Type urn:oid:2.16.840.1.113883.3.88.12.80.60
(Clinical Focus: Classification of questions bearing on a patient's behavior, achievement, and exogenous health factors),(Data Element Scope:),(Inclusion Criteria:),(Exclusion Criteria:)

This value set was imported on 6/9/2021 with a version of Latest.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.3.88.12.80.60/expansion

Code	Code System	Code System OID	Print Name
102487004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Environmental risk factor (observable entity)
105421008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Educational achievement (observable entity)
228272008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Health-related behavior (observable entity)
229819007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco use and exposure (observable entity)
256235009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Exercise (observable entity)
302160007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Household, family and support network detail (observable entity)
363908000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Details of drug misuse behavior (observable entity)
364393001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Nutritional observable (observable entity)
364703007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Employment detail (observable entity)
423514004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Community resource details (observable entity)
...			

Figure 55: Social History Observation Example

```xml
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.38"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.38"
        extension="2015-08-01"/>
    <templateId root="2.16.840.1.113883.10.20.22.4.38"
        extension="2022-06-01"/>
    <id root="37f76c51-6411-4e1d-8a37-957fd49d2cef"/>
    <code code="160573003" displayName="Alcohol intake"
        codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT">
        <translation code="74013-4" codeSystem="2.16.840.1.113883.6.1"
          codeSystemName="LOINC" displayName="Alcoholic drinks per day"/>
    </code>
    <statusCode code="completed"/>
    <effectiveTime>
        <low value="20120215"/>
    </effectiveTime>
    <value xsi:type="PQ" value="12" unit="/d"/>
</observation>
```

Figure 56: Social Determinant of Health Social History Observation Example

```
<!-- SDOH Social History Observation -->
<entry>
    <observation classCode="OBS" moodCode="EVN">
        <templateId root="2.16.840.1.113883.10.20.22.4.38"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2015-08-01"/>
        <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2022-06-01"/>
        <id extension="64020-Z9311" root="1.2.840.114350.1.13.6289.1.7.1.1040.1"/>
        <code code="160476009" codeSystem="2.16.840.1.113883.6.96"
codeSystemName="SNOMEDCT" displayName="Social / personal history observable (observable
entity)">
            <translation code="8689-2" codeSystem="2.16.840.1.113883.6.1"
codeSystemName="LOINC" displayName="History of Social function"/>
        </code>
        <text>
            <reference value="#SocialHistory_3"/>
        </text>
        <statusCode code="completed"/>
        <effectiveTime value="20160412"/>
        <value xsi:type="CD" code="706875005" displayName="Insufficient food supply
(finding)"

         codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMEDCT">
            <originalText>
                <reference value="#SH3_SO"/>
            </originalText>
        </value>
        <author>
            <time value="20160412"/>
            <assignedAuthor>
                <id extension="10.1" root="1.2.840.114350.1.1"/>
            </assignedAuthor>
        </author>
    </observation>
</entry>
```

3.26.1 Basic Industry Observation

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2023-05-01 (open)]

Table 85: Basic Industry Observation Contexts

Contained By:	Contains:
Basic Occupation Observation (optional)	

This template represents a simple observation about the type of business that compensates for work or assigns work to an unpaid worker or volunteer (e.g., U.S. Army, cement manufacturing, children and youth services). Multiple occupation industry observation instances in a single document or derived from multiple documents, represent a basic historical industry record.