

3.18 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 occupations, 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](#), [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.

Table 29: 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)

236. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4515-8548).
237. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4515-8549).
238. **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).
239. **SHALL** contain at least one [1..*] **id** (CONF:4515-8551).
240. **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).
241. **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).
242. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4515-31868).
243. **SHOULD** contain zero or one [0..1] **value** (CONF:4515-8559).
- a. If Observation/value is a physical quantity (xsi:type="PQ"), the unit of measure **SHALL** 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).
244. **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.

245. **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.

246. **MAY** contain zero or more [0..*] **entryRelationship** (CONF:4515-32969) such that it
- SHALL** contain exactly one [1..1] **@typeCode="SPRT"** Has support (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4515-32971).
 - SHALL** contain exactly one [1..1] **Entry Reference** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.122) (CONF:4515-32970).

Figure 30: Social History Observation Example

```
<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 31: 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>
```