Figure 58: Basic Occupation Observation Example

```
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.503"
         extension="2023-05-01"/>
    <id root="f4dce790-8328-11db-9fe1-0800200c9a45"/>
    <code code="11341-5" codeSystem="2.16.840.1.113883.6.1"
         codeSystemName="LOINC" displayName="History of occupation"/>
    <statusCode code="completed"/>
    <effectiveTime>
        <!-- SHALL low/value. The low value reflects the start date of the stated
occupation -->
        <low value="2009"/>
        <!-- MAY high/value. The high value reflects the end date of the stated occupation.
         An absent high value means the occupation is/was current at the time the
document was generated -->
        <high value="202206"/>
    </effectiveTime>
    <value xsi:type="CD" code="51-9191.00.002682"
         displayName="Automobile Brake Bonder [Adhesive Bonding Machine Operators and
Tenders]"
         codeSystem="2.16.840.1.114222.4.5.327"
         codeSystemName="Occupational Data for Health (ODH)"/>
    <entryRelationship typeCode="REFR">
        <!-- BASIC INDUSTRY OBSERVATION -->
........


    </observation>
```

3.26.3 Gender Identity Observation (V4)

> [observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.34.3.45:2023-05-01
> (open)]

This observation represents the gender identity of the patient, defined as:

"One's basic sense of being male, female, or other gender (for example, transgender or gender queer). Gender identity can be congruent or incongruent with one's sex assigned at birth based on the appearance of external genitalia." (Advancing Effective Communication, Cultural Competence, and Patient- and Family-Centered Care for the Lesbian, Gay, Bisexual, and Transgender (LGBT) Community—A Field Guide, The Joint Commission (2011).)

This template follows the guidelines from the HL7 Gender Harmony project. This template is based on C-CDA Social History Observation template.

This observation is not appropriate for recording patient gender (administrativeGender) or birth sex.

Table 89: Gender Identity Observation (V4) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.34.3.45:2023-05-01)					
@classCode	1..1	SHALL		4537-1230	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		4537-1231	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		4537-1221	
@root	1..1	SHALL		4537-1225	2.16.840.1.113883.10.20.34.3.45
@extension	1..1	SHALL		4537-1226	2023-05-01
code	1..1	SHALL		4537-1222	
@code	1..1	SHALL		4537-1227	76691-5
@codeSystem	1..1	SHALL		4537-1228	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		4537-33067	
@code	1..1	SHALL		4537-33069	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		4537-33068	
low	1..1	SHALL		4537-33070	
high	0..1	MAY		4537-33071	
value	1..1	SHALL	CD	4537-1223	urn:oid:2.16.840.1.113762.1.4.1021.101 (Gender Identity USCDI core)
@nullFlavor	0..1	MAY		4537-1232	urn:oid:2.16.840.1.113762.1.4.1114.17 (Asked but Unknown and Other)

1. Conforms to **Social History Observation (V4)** template (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2022-06-01).
2. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:4537-1230).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:4537-1231).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-1221) such that it

      a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.34.3.45" (CONF:4537-1225).

      b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-1226).

5. **SHALL** contain exactly one [1..1] **code** (CONF:4537-1222).

      a. This code **SHALL** contain exactly one [1..1] **@code**="76691-5" Gender identity (CONF:4537-1227).

      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:4537-1228).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-33067).

      a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4537-33069).

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-33068).

The effectiveTime represents the relevant time of the observation. A patient's "gender identity" may change and using effectiveTime/low and effectiveTime/high defines the time during which the patient had identified as specified.

      a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4537-33070).

      b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4537-33071).

8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHALL** be selected from ValueSet **Gender Identity USCDI core** urn:oid:2.16.840.1.113762.1.4.1021.101 **DYNAMIC** (CONF:4537-1223).

To represent additional Gender Identities, set nullFlavor="OTH". To represent "choose not to disclose", set nullFlavor="ASKU".

      a. This value **MAY** contain zero or one [0..1] **@nullFlavor**, which **SHOULD** be selected from ValueSet **Asked but Unknown and Other** urn:oid:2.16.840.1.113762.1.4.1114.17 **DYNAMIC** (CONF:4537-1232).

Table 90: Gender Identity USCDI core

Value Set: Gender Identity USCDI core urn:oid:2.16.840.1.113762.1.4.1021.101

(Clinical Focus: Concepts that are used to describe a person's socially acknowledged gender that are used, at a minimum, in the USA. This is the gender they identify as. These are not concepts used to describe a person's sexual orientation (who they are attracted to).),(Data Element Scope: gender identity),(Inclusion Criteria: Concepts that can represent a type of gender that as used in the USA. This is not restricted to male and female.),(Exclusion Criteria: Concepts that are improper to use in the USA for gender identity. Concepts used to describe a person's sexual orientation. Concepts that are used to represent when data is absent or not represented in the provided list.)

This value set was imported on 6/17/2022 with a version of Latest.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1021.101/expansion

Code	Code System	Code System OID	Print Name
407376001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Male-to-female transsexual (finding)
407377005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Female-to-male transsexual (finding)
44613100012 4102	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Identifies as non-conforming gender (finding)
44614100012 4107	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Identifies as female gender (finding)
44615100012 4109	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Identifies as male gender (finding)

Table 91: Asked but Unknown and Other

Value Set: Asked but Unknown and Other urn:oid:2.16.840.1.113762.1.4.1114.17

(Clinical Focus: Data absent reasons specific for representing only asked but unknown and other),(Data Element Scope: any data representation that supports inclusion of data absent reasons),(Inclusion Criteria: Asked but no answer known and Other meant to mean data not available for selection),(Exclusion Criteria: all other codes)

This value set was imported on 6/17/2022 with a version of Latest.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1114.17/expansion

Code	Code System	Code System OID	Print Name
ASKU	HL7NullFlavor	urn:oid:2.16.840.1.113883.5.1008	asked but unknown
OTH	HL7NullFlavor	urn:oid:2.16.840.1.113883.5.1008	other

Figure 59: Gender Identity Observation Example

```
<observation classCode="OBS" moodCode="EVN">
    <templateId root="2.16.840.1.113883.10.20.22.4.38" extension="2022-06-01"/>
    <!-- Gender Identity Observation -->
    <templateId root="2.16.840.1.113883.10.20.34.3.45" extension="2023-05-01" />
    <id root="5501b49a-32ea-4c78-9c31-3dbe782871b7" />
    <code code="76691-5"
    displayName="Gender identity"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" />
    <statusCode code="completed" />
    <effectiveTime>
        <low value="20180703" />
    </effectiveTime>
    <value xsi:type="CD" code="446141000124107"
        displayName="Identifies as female gender (finding)"
        codeSystem="2.16.840.1.113883.6.96"
        codeSystemName="SNOMED CT" />
</observation>
```

3.26.4 Sexual Orientation Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.501:2023-05-01 (open)]

This observation represents the sexual orientation of the patient, defined as:

A person's identification of their emotional, romantic, sexual, or affectional attraction to another person.

This template was informed by the HL7 Gender Harmony project.

This observation is not appropriate for recording patient gender (administrativeGender), Gender Identity (Gender Identity Observation), or birth sex (Birth Sex Observation).