

- a. This code **SHALL** contain exactly one [1..1] @code="86188-0" History of Occupation Industry (CONF:4537-33015).
 - 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:4537-33016).
6. **SHALL** contain exactly one [1..1] statusCode (CONF:4537-33011).
 - a. This statusCode **SHALL** contain exactly one [1..1] @code="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4537-33017).
7. **SHALL** contain exactly one [1..1] value, which **SHALL** be selected from ValueSet [Industry NAICS Detail \(ODH\)](#) urn:oid:2.16.840.1.114222.4.11.7900 **DYNAMIC** (CONF:4537-33022).

Figure 57: Basic Industry Occupation Example

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.504"
    extension="2023-05-01"/>
  <id root="f4dce790-8328-11db-9fe1-0800200c9a47"/>
  <code code="86188-0" codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC" displayName="History of occupation industry"/>
  <statusCode code="completed"/>
  <effectiveTime>
    <!-- SHALL low/value. The low value reflects the start date of the stated industry
-->
    <low value="2009"/>
    <!-- MAY high/value. The high value reflects the end date of the stated industry.
    An absent high value means the industry is/was current at the time the document
was generated -->
    <high value="202206"/>
  </effectiveTime>
  <value xsi:type="CD" code="811111.001118"
    displayName="Automotive repair and replacement shops, general [General Automotive
Repair]"
    codeSystem="2.16.840.1.114222.4.5.327"
    codeSystemName="Occupational Data for Health (ODH)"/>
</observation>
```

3.26.2 Basic Occupation Observation

[observation: identifier urn:h17ii:2.16.840.1.113883.10.20.22.4.503:2023-05-01 (open)]

Table 87: Basic Occupation Observation Contexts

Contained By:	Contains:
	Basic Industry Observation (optional)

This template represents a simple observation about the type of work (e.g., infantry, business analyst, social worker) of a person. The effectiveTime low and high represent the start and end times of a

particular observation about an occupation. Multiple occupation observation instances in a single document or derived from multiple documents, represent a basic historical occupation record. Implementers should use the Basic Occupation Observation template for conveying occupation information in support of USCDI v3. It is recommended systems include the Basic Industry Observation in the Social History section.

Implementers wishing to convey more advanced Occupation detail, such as employer, usual work (longest held), or other work related observations may consider using [HL7 CDA® R2 Implementation Guide: C-CDA R2.1 Supplemental Templates for Occupational Data for Health](#) in addition to this Observation.

Table 88: Basic Occupation Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.503:2023-05-01)					
@classCode	1..1	SHALL		4537-33000	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		4537-33001	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		4537-32995	
@root	1..1	SHALL		4537-32998	2.16.840.1.113883.10.20.22.4.503
@extension	1..1	SHALL		4537-32999	2023-05-01
code	1..1	SHALL		4537-32996	
@code	1..1	SHALL		4537-33002	11341-5
@codeSystem	1..1	SHALL		4537-33003	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		4537-32997	
@code	1..1	SHALL		4537-33004	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		4537-33005	
low	1..1	SHALL		4537-33007	
high	0..1	MAY		4537-33008	
value	1..1	SHALL		4537-33006	urn:oid:2.16.840.1.114222.4.11.7901 (Occupation ONETSOC Detail (ODH))
subject	0..1	MAY		4537-33058	
relatedSubject	1..1	SHALL		4537-33059	
entryRelationship	0..1	SHOULD		4537-33060	
@typeCode	1..1	SHALL		4537-33062	urn:oid:2.16.840.1.113883.5.1002 (HL7ActRelationshipType) = REFR
observation	1..1	SHALL		4537-33063	Basic Industry Observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2023-05-01)

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) (CONF:4537-33000).
3. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001) (CONF:4537-33001).
4. **SHALL** contain exactly one [1..1] **templateId** (CONF:4537-32995) such that it
 - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.503" (CONF:4537-32998).
 - b. **SHALL** contain exactly one [1..1] **@extension**="2023-05-01" (CONF:4537-32999).
5. **SHALL** contain exactly one [1..1] **code** (CONF:4537-32996).
 - a. This code **SHALL** contain exactly one [1..1] **@code**="11341-5" History of Occupation (CONF:4537-33002).
 - 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:4537-33003).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:4537-32997).
 - a. This statusCode **SHALL** contain exactly one [1..1] **@code**="completed" (CodeSystem: HL7ActStatus urn:oid:2.16.840.1.113883.5.14) (CONF:4537-33004).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:4537-33005).

The low value reflects the start date of the recorded occupation.

- a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:4537-33007).

The high value reflects the end date of the recorded occupation. An absent high value means the occupation was current at the time the document was generated.

- b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:4537-33008).
8. **SHALL** contain exactly one [1..1] **value**, which **SHALL** be selected from ValueSet [Occupation ONETSOC Detail \(ODH\)](#) urn:oid:2.16.840.1.114222.4.11.7901 **DYNAMIC** (CONF:4537-33006).

Indicates that this observation is for a related person whose occupation may affect the patient.

9. **MAY** contain zero or one [0..1] **subject** (CONF:4537-33058).
 - a. The subject, if present, **SHALL** contain exactly one [1..1] **relatedSubject** (CONF:4537-33059).
10. **SHOULD** contain zero or one [0..1] **entryRelationship** (CONF:4537-33060) such that it
 - a. **SHALL** contain exactly one [1..1] **@typeCode**="REFR" Refers to (CodeSystem: HL7ActRelationshipType urn:oid:2.16.840.1.113883.5.1002) (CONF:4537-33062).
 - b. **SHALL** contain exactly one [1..1] [Basic Industry Observation](#) (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.504:2023-05-01) (CONF:4537-33063).

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 -->
    .....
  </entryRelationship>
</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.