3.107 Tobacco Use (V2)

```
[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09
(open)]
```

Table 500: Tobacco Use (V2) Contexts

Contained By:	Contains:
Health Concern Act (V2) (optional) Risk Concern Act (V2) (optional) Social History Section (V3) (optional)	Author Participation (optional)

This template represents a patient's tobacco use.

All the types of tobacco use are represented using the codes from the tobacco use and exposure-finding hierarchy in SNOMED CT, including codes required for recording smoking status in Meaningful Use Stage 2.

The effectiveTime element is used to describe dates associated with the patient's tobacco use. Whereas the Smoking Status - Meaningful Use (V2) template (2.16.840.1.113883.10.20.22.4.78:2014-06-09) represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation, this Tobacco Use template uses effectiveTime to represent the biologically relevant time of the observation. Thus, to record a former smoker, an observation of "cigarette smoker" will have an effectiveTime/low defining the time the patient started to smoke cigarettes and an effectiveTime/high defining the time the patient ceased to smoke cigarettes. To record a current smoker, the effectiveTime/low will define the time the patient started smoking and will have no effectiveTime/high to indicated that the patient is still smoking.

Table 501: Tobacco Use (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.85:2014-06-09)					
@classCode	1..1	SHALL		1098-16558	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		1098-16559	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1098-16566	
@root	1..1	SHALL		1098-16567	2.16.840.1.113883.10.20.22.4.85
@extension	1..1	SHALL		1098-32589	2014-06-09
id	1..*	SHALL		1098-32400	
code	1..1	SHALL		1098-19174	
@code	1..1	SHALL		1098-19175	11367-0
@codeSystem	1..1	SHALL		1098-32172	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		1098-16561	
@code	1..1	SHALL		1098-19118	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		1098-16564	
low	1..1	SHALL		1098-16565	
high	0..1	MAY		1098-31431	
value	1..1	SHALL	CD	1098-16562	urn:oid:2.16.840.1.113883.11.20.9.41 (Tobacco Use)
author	0..*	SHOULD		1098-31152	Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" Observation (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:1098-16558).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-16559).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-16566) such that it
   a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.85" (CONF:1098-16567).

      b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32589).

4. **SHALL** contain at least one [1..*] **id** (CONF:1098-32400).

5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-19174).
      a. This code **SHALL** contain exactly one [1..1] **@code**="11367-0" History of tobacco use (CONF:1098-19175).
      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) (CONF:1098-32172).

6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-16561).
      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:1098-19118).

7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-16564).
Note: The effectiveTime represents the biologically relevant time of the observation. A "former smoker" is recorded with the proper code "current smoker" with an effectiveTime/low and effectiveTime/high defining the time during which the patient was a smoker.
      a. This effectiveTime **SHALL** contain exactly one [1..1] **low** (CONF:1098-16565).
      b. This effectiveTime **MAY** contain zero or one [0..1] **high** (CONF:1098-31431).

8. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHALL** be selected from ValueSet **Tobacco Use** urn:oid:2.16.840.1.113883.11.20.9.41 **DYNAMIC** (CONF:1098-16562).

9. **SHOULD** contain zero or more [0..*] **Author Participation** (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31152).

Table 502: Tobacco Use

Value Set: Tobacco Use urn:oid:2.16.840.1.113883.11.20.9.41

(Clinical Focus: Detailed classification of a patient's smoking behavior),(Data Element Scope: Condition),(Inclusion Criteria: Contains all values descending from the SNOMED CT 365980008 tobacco use and exposure - finding hierarchy excluding temporal findings such as 'Former Smoker' 'Never Chewed', etc'),(Exclusion Criteria:)

This value set was imported on 6/29/2019 with a version of 20190319.
Value Set Source:
https://vsac.nlm.nih.gov/valueset/2.16.840.1.113883.11.20.9.41/expansion

Code	Code System	Code System OID	Print Name
10761391000 119102	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco use in mother complicating childbirth (finding)
110483000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco user (finding)
134406006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smoking reduced (finding)
160603005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Light cigarette smoker (1-9 cigs/day) (finding)
160604004	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Moderate cigarette smoker (10-19 cigs/day) (finding)
160605003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Heavy cigarette smoker (20-39 cigs/day) (finding)
160606002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Very heavy cigarette smoker (40+ cigs/day) (finding)
160612007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Keeps trying to stop smoking (finding)
160613002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Admitted tobacco consumption possibly untrue (finding)
160614008	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco consumption unknown (finding)

...

```
<observation classCode="OBS" moodCode="EVN">
    <!-- ** Tobacco use ** -->
    <templateId root="2.16.840.1.113883.10.20.22.4.85" extension="2014-06-09" />
    <id root="45efb604-7049-4a2e-ad33-d38556c9636c" />
    <code code="11367-0" codeSystem="2.16.840.1.113883.6.1" displayName="History of tobacco
use" />
    <statusCode code="completed" />
    <effectiveTime>
        <!-- The low value reflects the start date of the observation/value (moderate
smoker) -->
        <low value="20090214" />
        <!-- The high value reflects the end date of the observation/value (moderate
smoker) -->
        <high value="20110215" />
    </effectiveTime>
    <value xsi:type="CD" code="160604004" displayName="Moderate cigarette smoker, 10-
19/day" codeSystem="2.16.840.1.113883.6.96" />
    <author typeCode="AUT">
        <time value="201209101145-0800" />
        <assignedAuthor>
            <id extension="555555555" root="1.1.1.1.1.1.1.2" />
        </assignedAuthor>
    </author>
</observation>
```

3.108 Vital Sign Observation (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.27:2014-06-09
(open)]

Table 503: Vital Sign Observation (V2) Contexts

Contained By:	Contains:
Vital Signs Organizer (V3) (required) Health Concern Act (V2) (optional) Risk Concern Act (V2) (optional)	Author Participation (optional)

This template represents measurement of common vital signs. Vital signs are represented with additional vocabulary constraints for type of vital sign and unit of measure.

The following is a list of recommended units for common types of vital sign measurements:

Name	Unit
PulseOx	%
Height/Head Circumf	cm
Weight	kg
Temp	Cel
BP	mm[Hg]
Pulse/Resp Rate	/min
BMI	kg/m2