

6. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CD", where the code **SHALL** be selected from ValueSet [Reaction Severity](#)
urn:oid:2.16.840.1.113883.3.88.12.3221.6.8 **DYNAMIC** (CONF:1098-7356).

Table 479: Reaction Severity

Value Set: Reaction Severity urn:oid:2.16.840.1.113883.3.88.12.3221.6.8 (Clinical Focus: This is a description of the level of severity of the REACTION),(Data Element Scope:),(Inclusion Criteria: Three severities (map fatal to severe, moderate to severe to severe, mild to moderate to moderate)),(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/2.16.840.1.113883.3.88.12.3221.6.8/expansion			
Code	Code System	Code System OID	Print Name
24484000	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Severe (severity modifier) (qualifier value)
255604002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Mild (qualifier value)
6736007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Moderate (severity modifier) (qualifier value)

Figure 219: Severity Observation (V2) Example

<pre> <observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.840.1.113883.10.20.22.4.8" extension="2014-06-09" /> <code code="SEV" displayName="Severity Observation" codeSystem="2.16.840.1.113883.5.4" codeSystemName="ActCode" /> <text> <reference value="#allergyseverity1" /> </text> <statusCode code="completed" /> <value xsi:type="CD" code="371924009" displayName="Moderate to severe" codeSystem="2.16.840.1.113883.6.96" codeSystemName="SNOMED CT" /> </observation> </pre>

3.100 Smoking Status - Meaningful Use (V2)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09
(open)]

Table 480: Smoking Status - Meaningful 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 the current smoking status of the patient as specified in Meaningful Use (MU) Stage 2 requirements. Historic smoking status observations as well as details about the smoking habit (e.g., how many per day) would be represented in the Tobacco Use template.

This template represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation. As a result, the effectiveTime is constrained to a time stamp, and will approximately correspond with the author/time. Details regarding the time period when the patient is/was smoking would be recorded in the Tobacco Use template.

If the patient's current smoking status is unknown, the value element must be populated with SNOMED CT code 266927001 to communicate "Unknown if ever smoked" from the Current Smoking Status Value Set.

Table 481: Smoking Status - Meaningful Use (V2) Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:hl7ii:2.16.840.1.113883.10.20.22.4.78:2014-06-09)					
@classCode	1..1	SHALL		1098-14806	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		1098-14807	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		1098-14815	
@root	1..1	SHALL		1098-14816	2.16.840.1.113883.10.20.22.4.78
@extension	1..1	SHALL		1098-32573	2014-06-09
id	1..*	SHALL		1098-32401	
code	1..1	SHALL		1098-19170	
@code	1..1	SHALL		1098-31039	72166-2
@codeSystem	1..1	SHALL		1098-32157	urn:oid:2.16.840.1.113883.6.1 (LOINC) = 2.16.840.1.113883.6.1
statusCode	1..1	SHALL		1098-14809	
@code	1..1	SHALL		1098-19116	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		1098-31928	
low	0..0	SHALL NOT		1098-32894	
width	0..0	SHALL NOT		1098-32895	
high	0..0	SHALL NOT		1098-32896	
center	0..0	SHALL NOT		1098-32897	
value	1..1	SHALL	CD	1098-14810	
@code	1..1	SHALL		1098-14817	urn:oid:2.16.840.1.113883.11.20.9.38 (Smoking Status)
author	0..*	SHOULD		1098-31148	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:1098-14806).

2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" Event (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:1098-14807).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:1098-14815) such that it
 - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.78" (CONF:1098-14816).
 - b. **SHALL** contain exactly one [1..1] **@extension**="2014-06-09" (CONF:1098-32573).
4. **SHALL** contain at least one [1..*] **id** (CONF:1098-32401).
5. **SHALL** contain exactly one [1..1] **code** (CONF:1098-19170).
 - a. This code **SHALL** contain exactly one [1..1] **@code**="72166-2" Tobacco smoking status NHIS (CONF:1098-31039).
 - 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:1098-32157).
6. **SHALL** contain exactly one [1..1] **statusCode** (CONF:1098-14809).
 - 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:1098-19116).
7. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:1098-31928).
 Note: This template represents a "snapshot in time" observation, simply reflecting what the patient's current smoking status is at the time of the observation. As a result, the effectiveTime is constrained to just a time stamp, and will approximately correspond with the author/time.
 - a. This effectiveTime **SHALL NOT** contain [0..0] **low** (CONF:1098-32894).
 - b. This effectiveTime **SHALL NOT** contain [0..0] **width** (CONF:1098-32895).
 - c. This effectiveTime **SHALL NOT** contain [0..0] **high** (CONF:1098-32896).
 - d. This effectiveTime **SHALL NOT** contain [0..0] **center** (CONF:1098-32897).
8. **SHALL** contain exactly one [1..1] **value** with **@xsi:type**="CD" (CONF:1098-14810).
 - a. This value **SHALL** contain exactly one [1..1] **@code**, which **SHALL** be selected from ValueSet Smoking Status urn:oid:2.16.840.1.113883.11.20.9.38 **DYNAMIC** (CONF:1098-14817).
 - b. If the patient's current smoking status is unknown, **@code** **SHALL** contain '266927001' (Unknown if ever smoked) from ValueSet Current Smoking Status (2.16.840.1.113883.11.20.9.38 **STATIC** 2014-09-01) (CONF:1098-31019).
9. **SHOULD** contain zero or more [0..*] Author Participation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.119) (CONF:1098-31148).

Table 482: Smoking Status

Value Set: Smoking Status urn:oid:2.16.840.1.113883.11.20.9.38 (Clinical Focus: Classification of a patient's smoking behavior),(Data Element Scope: This value set is consistent with the Smoking Status codes used by ONC for Meaningful Use),(Inclusion Criteria:),(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/2.16.840.1.113883.11.20.9.38/expansion			
Code	Code System	Code System OID	Print Name
266919005	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Never smoked tobacco (finding)
266927001	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Tobacco smoking consumption unknown (finding)
428041000124106	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Occasional tobacco smoker (finding)
428061000124105	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Light tobacco smoker (finding)
428071000124103	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Heavy tobacco smoker (finding)
449868002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smokes tobacco daily (finding)
77176002	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Smoker (finding)
8517006	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Ex-smoker (finding)

Figure 220: Smoking Status - Meaningful Use (V2) Example

<pre> <observation classCode="OBS" moodCode="EVN"> <templateId root="2.16.840.1.113883.10.20.22.4.78" extension="2014-06-09" /> <id extension="123456789" root="2.16.840.1.113883.19" /> <code code="72166-2" codeSystem="2.16.840.1.113883.6.1" displayName="Tobacco smoking status NHIS" /> <statusCode code="completed" /> <!-- The effectiveTime reflects when the current smoking status was observed. --> <effectiveTime value="20120910" /> <!-- The value represents the patient's smoking status currently observed. --> <value xsi:type="CD" code="8517006" displayName="Former smoker" codeSystem="2.16.840.1.113883.6.96" /> <author typeCode="AUT"> <time value="199803161030-0800" /> <assignedAuthor> <id extension="555555555" root="1.1.1.1.1.1.2" /> </assignedAuthor> </author> </observation> </pre>
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3.101 Social History Observation (V3)

[observation: identifier urn:hl7ii:2.16.840.1.113883.10.20.22.4.38:2015-08-01
(open)]

Table 483: Social History Observation (V3) 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 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.