

6. **SHALL** contain exactly one [1..1] **value** with @xsi:type="CE", where the code **SHALL** be selected from ValueSet [Allergy Clinical Status](#) urn:oid:2.16.840.1.113762.1.4.1099.29 **DYNAMIC** (CONF:1198-7322).

Table 234: Allergy Clinical Status

Value Set: Allergy Clinical Status urn:oid:2.16.840.1.113762.1.4.1099.29 (Clinical Focus: The clinical status of an allergic condition),(Data Element Scope: Status value),(Inclusion Criteria: limited high level status of a clinical condition),(Exclusion Criteria: none specific) This value set was imported on 6/26/2019 with a version of 20190418. Value Set Source: https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.29/expansion			
Code	Code System	Code System OID	Print Name
413322009	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Problem resolved (finding)
55561003	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Active (qualifier value)
73425007	SNOMED CT	urn:oid:2.16.840.1.113883.6.96	Inactive (qualifier value)

3.7 Assessment Scale Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.69 (open)]

Table 235: Assessment Scale Observation Contexts

Contained By:	Contains:
Sensory Status (optional) Functional Status Section (V2) (optional) Functional Status Observation (V2) (optional) Mental Status Observation (V3) (optional) Mental Status Section (V2) (optional) Health Concern Act (V2) (optional) Risk Concern Act (V2) (optional)	Assessment Scale Supporting Observation (optional)

An assessment scale is a collection of observations that together yield a summary evaluation of a particular condition. Examples include the Braden Scale (assesses pressure ulcer risk), APACHE Score (estimates mortality in critically ill patients), Mini-Mental Status Exam (assesses cognitive function), APGAR Score (assesses the health of a newborn), and Glasgow Coma Scale (assesses coma and impaired consciousness).

Table 236: Assessment Scale Observation Constraints Overview

XPath	Card.	Verb	Data Type	CONF#	Value
observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.69)					
@classCode	1..1	SHALL		81-14434	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		81-14435	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		81-14436	
@root	1..1	SHALL		81-14437	2.16.840.1.113883.10.20.22.4.69
id	1..*	SHALL		81-14438	
code	1..1	SHALL		81-14439	
derivationExpr	0..1	MAY		81-14637	
statusCode	1..1	SHALL		81-14444	
@code	1..1	SHALL		81-19088	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		81-14445	
value	1..1	SHALL		81-14450	
interpretationCode	0..*	MAY		81-14459	
translation	0..*	MAY		81-14888	
author	0..*	MAY		81-14460	
entryRelationship	0..*	SHOULD		81-14451	
@typeCode	1..1	SHALL		81-16741	COMP
observation	1..1	SHALL		81-16742	Assessment Scale Supporting Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.86)
referenceRange	0..*	MAY		81-16799	
observationRange	1..1	SHALL		81-16800	
text	0..1	SHOULD		81-16801	
reference	0..1	SHOULD		81-16802	
@value	0..1	MAY		81-16803	

1. **SHALL** contain exactly one [1..1] **@classCode**="OBS" (CodeSystem: HL7ActClass urn:oid:2.16.840.1.113883.5.6 **STATIC**) (CONF:81-14434).
2. **SHALL** contain exactly one [1..1] **@moodCode**="EVN" (CodeSystem: HL7ActMood urn:oid:2.16.840.1.113883.5.1001 **STATIC**) (CONF:81-14435).
3. **SHALL** contain exactly one [1..1] **templateId** (CONF:81-14436) such that it
 - a. **SHALL** contain exactly one [1..1] **@root**="2.16.840.1.113883.10.20.22.4.69" (CONF:81-14437).
4. **SHALL** contain at least one [1..*] **id** (CONF:81-14438).
5. **SHALL** contain exactly one [1..1] **code** (CONF:81-14439).

- a. **SHOULD** be from LOINC (CodeSystem: 2.16.840.1.113883.6.1) or SNOMED CT (CodeSystem: 2.16.840.1.113883.6.96) identifying the assessment scale (CONF:81-14440).

Such derivation expression can contain a text calculation of how the components total up to the summed score

- 6. **MAY** contain zero or one [0..1] **derivationExpr** (CONF:81-14637).
- 7. **SHALL** contain exactly one [1..1] **statusCode** (CONF:81-14444).
 - 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:81-19088).

Represents clinically effective time of the measurement, which may be when the measurement was performed (e.g., a BP measurement), or may be when sample was taken (and measured some time afterwards)

- 8. **SHALL** contain exactly one [1..1] **effectiveTime** (CONF:81-14445).
- 9. **SHALL** contain exactly one [1..1] **value** (CONF:81-14450).
- 10. **MAY** contain zero or more [0..*] **interpretationCode** (CONF:81-14459).
 - a. The interpretationCode, if present, **MAY** contain zero or more [0..*] **translation** (CONF:81-14888).
- 11. **MAY** contain zero or more [0..*] **author** (CONF:81-14460).
- 12. **SHOULD** contain zero or more [0..*] **entryRelationship** (CONF:81-14451) such that it
 - a. **SHALL** contain exactly one [1..1] **@typeCode="COMP"** has component (CONF:81-16741).
 - b. **SHALL** contain exactly one [1..1] [Assessment Scale Supporting Observation](#) (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.86) (CONF:81-16742).

The referenceRange/observationRange/text, if present, MAY contain a description of the scale (e.g., for a Pain Scale 1 to 10: 1 to 3 = little pain, 4 to 7= moderate pain, 8 to 10 = severe pain)

- 13. **MAY** contain zero or more [0..*] **referenceRange** (CONF:81-16799).
 - a. The referenceRange, if present, **SHALL** contain exactly one [1..1] **observationRange** (CONF:81-16800).

The text may contain a description of the scale (e.g., for a Pain Scale 1 to 10: 1 to 3 = little pain, 4 to 7= moderate pain, 8 to 10 = severe pain)

- i. This observationRange **SHOULD** contain zero or one [0..1] **text** (CONF:81-16801).
 - 1. The text, if present, **SHOULD** contain zero or one [0..1] **reference** (CONF:81-16802).
 - a. The reference, if present, **MAY** contain zero or one [0..1] **@value** (CONF:81-16803).
 - i. This reference/@value **SHALL** begin with a '#' and **SHALL** point to its corresponding narrative (using the approach defined in CDA Release 2, section 4.3.5.1) (CONF:81-16804).

Figure 128: Assessment Scale Observation Example

```
<observation classCode="OBS" moodCode="EVN">
  <templateId root="2.16.840.1.113883.10.20.22.4.69"/>
  <id root="c6b5a04b-2bf4-49d1-8336-636a3813df0b"/>
  <code code="54614-3"
    displayName="Brief Interview for Mental Status"
    codeSystem="2.16.840.1.113883.6.1"
    codeSystemName="LOINC"/>
  <derivationExpr>Text description of the calculation</derivationExpr>
  <statusCode code="completed"/>
  <effectiveTime value="20120214"/>
  <!-- Summed score of the component values -->
  <value xsi:type="INT" value="7"/>
  <entryRelationship typeCode="COMP">
    <observation classCode="OBS" moodCode="EVN">
      <templateId root="2.16.840.1.113883.10.20.22.4.86"/>
      . . .
    </observation>
  </entryRelationship>
</observation>
```

3.8 Assessment Scale Supporting Observation

[observation: identifier urn:oid:2.16.840.1.113883.10.20.22.4.86 (open)]

Table 237: Assessment Scale Supporting Observation Contexts

Contained By:	Contains:
Assessment Scale Observation (optional)	

An Assessment Scale Supporting Observation represents the components of a scale used in an Assessment Scale Observation. The individual parts that make up the component may be a group of cognitive or functional status observations.