

- 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:1198-19087).
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 235: 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: <a href="https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.29/expansion">https://vsac.nlm.nih.gov/valueset/2.16.840.1.113762.1.4.1099.29/expansion</a>			
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 236: Assessment Scale Observation Contexts**

Contained By:	Contains:
<u>Sensory Status</u> (optional) <u>Functional Status Section (V2)</u> (optional) <u>Functional Status Observation (V2)</u> (optional) <u>Mental Status Observation (V3)</u> (optional) <u>Mental Status Section (V2)</u> (optional) <u>Health Concern Act (V2)</u> (optional) <u>Risk Concern Act (V2)</u> (optional)	<u>Assessment Scale Supporting Observation</u> (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 237: 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		<a href="#">81-14434</a>	urn:oid:2.16.840.1.113883.5.6 (HL7ActClass) = OBS
@moodCode	1..1	SHALL		<a href="#">81-14435</a>	urn:oid:2.16.840.1.113883.5.1001 (HL7ActMood) = EVN
templateId	1..1	SHALL		<a href="#">81-14436</a>	
@root	1..1	SHALL		<a href="#">81-14437</a>	2.16.840.1.113883.10.20.22.4.69
id	1..*	SHALL		<a href="#">81-14438</a>	
code	1..1	SHALL		<a href="#">81-14439</a>	
derivationExpr	0..1	MAY		<a href="#">81-14637</a>	
statusCode	1..1	SHALL		<a href="#">81-14444</a>	
@code	1..1	SHALL		<a href="#">81-19088</a>	urn:oid:2.16.840.1.113883.5.14 (HL7ActStatus) = completed
effectiveTime	1..1	SHALL		<a href="#">81-14445</a>	
value	1..1	SHALL		<a href="#">81-14450</a>	
interpretationCode	0..*	MAY		<a href="#">81-14459</a>	
translation	0..*	MAY		<a href="#">81-14888</a>	
author	0..*	MAY		<a href="#">81-14460</a>	
entryRelationship	0..*	SHOULD		<a href="#">81-14451</a>	
@typeCode	1..1	SHALL		<a href="#">81-16741</a>	COMP
observation	1..1	SHALL		<a href="#">81-16742</a>	<a href="#">Assessment Scale Supporting Observation (identifier: urn:oid:2.16.840.1.113883.10.20.22.4.86)</a>
referenceRange	0..*	MAY		<a href="#">81-16799</a>	
observationRange	1..1	SHALL		<a href="#">81-16800</a>	
text	0..1	SHOULD		<a href="#">81-16801</a>	
reference	0..1	SHOULD		<a href="#">81-16802</a>	
@value	0..1	MAY		<a href="#">81-16803</a>	

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 238: Assessment Scale Supporting Observation Contexts**

Contained By:	Contains:
<a href="#">Assessment Scale Observation</a> (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.