Schema documentation for labcodeset.xsd

april 16, 2020

Table of Contents

Namespace: "" ... 3
Schema(s) ... 3
Main schema labcodeset.xsd ... 3
Element(s) ... 3
Element publication ... 3
Element desc ... 4
Element lab_concepts ... 5
Element lab_concepts / lab_concept ... 5
Element lab_concept / loincConcept ... 6
Element loincConcept / component ... 8
Element loincConcept / property ... 9
Element loincConcept / timing ... 9
Element loincConcept / system ... 10
Element loincConcept / scale ... 10
Element loincConcept / method ... 11
Element loincConcept / class ... 11
Element loincConcept / orderObs ... 12
Element loincConcept / longName ... 13
Element loincConcept / map ... 13
Element loincConcept / panelType ... 14
Element loincConcept / translation ... 14
Element loincConcept / references ... 16
Element references / a ... 16
Element lab_concept / materials ... 17
Element lab_concept / materials / material ... 17
Element lab_concept / methods ... 18
Element lab_concept / methods / method ... 18
Element lab_concept / outcomes ... 19
Element refset ... 20
Element lab_concept / outcomes / valueSet ... 20
Element lab_concept / units ... 20
Element lab_concept / units / unit ... 21
Element lab_concept / errors ... 21
Element publication / materials ... 22
Element materialTable / material ... 22
Element materialDefinition / name ... 24
Element materialDefinition / root ... 24
Element materialDefinition / substance ... 25
Element materialDefinition / topo ... 25
Element materialDefinition / morph ... 26
Element materialDefinition / ident ... 26
Element materialDefinition / proc ... 27
Element materialDefinition / references ... 27
Element publication / methods ... 28
Element methodTable / method ... 28
Element publication / units ... 29
Element unitTable / unit ... 29
Element unitDefinition / rm ... 30
Element unitDefinition / name ... 30
Element unitDefinition / nlname ... 30
Element ordinals ... 30
Element ordinals / valueSet ... 31
Element valueSetDefinition / conceptList ... 32
Element valueSetDefinition / conceptList / concept ... 33
Element valueSetDefinition / conceptList / concept / desc ... 34
Element nominals ... 35
Element publication / panels ... 35
Element panelTable / loincConcept ... 35
Element panelConcept / SEQUENCE ... 36
Element panelConcept / LoincName ... 36
Element panelConcept / ObservationRequiredInPanel ... 37
Element panelConcept / EntryType ... 37
Element panelConcept / members ... 37

Element panelConcept / ConditionForInclusion ... 37
Element EntryType ... 37
Element LoincName ... 37
Element ObservationRequiredInPanel ... 38
Element SEQUENCE ... 38
Element ConditionForInclusion ... 38
Element members ... 38
Element members / loincConcept ... 38
Complex Type(s) ... 39
Complex Type lab_concept ... 39
Complex Type loincConcept ... 42
Complex Type loincAxis ... 45
Complex Type references ... 45
Complex Type materialTable ... 46
Complex Type materialDefinition ... 46
Complex Type snomedConcept ... 48
Complex Type methodTable ... 49
Complex Type unitTable ... 49
Complex Type unitDefinition ... 49
Complex Type valueSetDefinition ... 50
Complex Type panelTable ... 52
Complex Type panelConcept ... 52
Simple Type(s) ... 53
Simple Type loincStatus ... 53
Simple Type materialOrMethodStatus ... 54
Simple Type labConceptStatus ... 54
Attribute(s) ... 54
Attribute desc / @language ... 54
Attribute loincAxis / @name ... 54
Attribute loincAxis / @count ... 55
Attribute loincAxis / @length ... 55
Attribute loincConcept / map / @from ... 55
Attribute loincConcept / map / @to ... 55
Attribute loincConcept / map / @comment ... 55
Attribute references / a / @href ... 55
Attribute loincConcept / @loinc_num ... 55
Attribute loincConcept / @status ... 55
Attribute loincConcept / @language ... 56
Attribute lab_concept / materials / material / @ref ... 56
Attribute lab_concept / materials / material / @status ... 56
Attribute lab_concept / methods / method / @ref ... 56
Attribute lab_concept / methods / method / @status ... 56
Attribute refset / @conceptId ... 57
Attribute refset / @preferredTerm ... 57
Attribute refset / @src ... 57
Attribute lab_concept / outcomes / valueSet / @ref ... 57
Attribute lab_concept / units / unit / @ref ... 57
Attribute lab_concept / @last_update ... 57
Attribute lab_concept / @status ... 57
Attribute lab_concept / @user ... 58
Attribute snomedConcept / @code ... 58
Attribute snomedConcept / @displayName ... 58
Attribute materialDefinition / @code ... 58
Attribute materialDefinition / @displayName ... 58
Attribute materialDefinition / @id ... 58
Attribute materialDefinition / @status ... 58
Attribute methodTable / method / @id ... 59
Attribute methodTable / method / @status ... 59
Attribute unitDefinition / @id ... 59
Attribute unitDefinition / @status ... 59
Attribute valueSetDefinition / conceptList / concept / desc / @language ... 59
Attribute valueSetDefinition / conceptList / concept / @code ... 59
Attribute valueSetDefinition / conceptList / concept / @codeSystem ... 60
Attribute valueSetDefinition / conceptList / concept / @codeSystemName ... 60
Attribute valueSetDefinition / conceptList / concept / @displayName ... 60
Attribute valueSetDefinition / conceptList / concept / @level ... 60
Attribute valueSetDefinition / conceptList / concept / @type ... 61
Attribute valueSetDefinition / @displayName ... 61
Attribute valueSetDefinition / @effectiveDate ... 61
Attribute valueSetDefinition / @id ... 61
Attribute valueSetDefinition / @name ... 61
Attribute valueSetDefinition / @statusCode ... 61

Attribute panelConcept / @loinc_num 62
Attribute panelConcept / @panelMember 62
Attribute panelConcept / @status 62
Attribute panelConcept / @type 62
Attribute publication / @effectiveDate 62
Attribute publication / @user 62
Attribute publication / @type 63

Namespace: ""

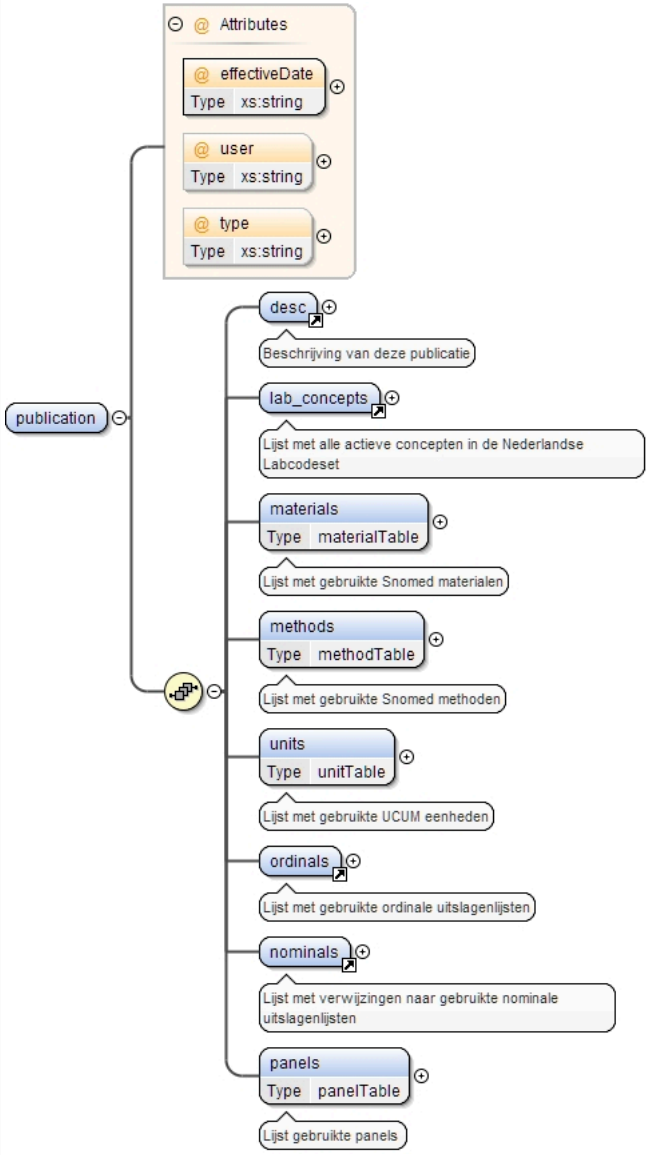
Schema(s)

Main schema labcodeset.xsd

Namespace	No namespace
Properties	attribute form default: unqualified element form default: qualified

Element(s)

Element publication

Namespace	No namespace
Diagram	

Properties	content: complex
Model	desc , lab_concepts , materials , methods , units , ordinals , nominals , panels
Children	desc, lab_concepts, materials, methods, nominals, ordinals, panels, units

Instance	`<publication effectiveDate="" type="" user="">`
	`  <desc language="">{1,1}</desc>`
	`  <lab_concepts>{1,1}</lab_concepts>`
	`  <materials>{1,1}</materials>`
	`  <methods>{1,1}</methods>`
	`  <units>{1,1}</units>`
	`  <ordinals>{1,1}</ordinals>`
	`  <nominals>{1,1}</nominals>`
	`  <panels>{1,1}</panels>`
	`</publication>`

Attributes

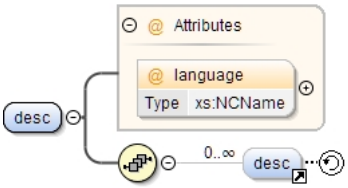
QName	Type	Use	
effectiveDate	xs:string	required	
type	xs:string	optional	
user	xs:string	optional	

Source

```
<xs:element name="publication">
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="desc">
        <xs:annotation>
          <xs:documentation>Beschrijving van deze publicatie</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="lab_concepts">
        <xs:annotation>
          <xs:documentation>Lijst met alle actieve concepten in de Nederlandse Labcodeset</
xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="materials" type="materialTable">
        <xs:annotation>
          <xs:documentation>Lijst met gebruikte Snomed materialen</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="methods" type="methodTable">
        <xs:annotation>
          <xs:documentation>Lijst met gebruikte Snomed methoden</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="units" type="unitTable">
        <xs:annotation>
          <xs:documentation>Lijst met gebruikte UCUM eenheden</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="ordinals">
        <xs:annotation>
          <xs:documentation>Lijst met gebruikte ordinale uitslagenlijsten</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element ref="nominals">
        <xs:annotation>
          <xs:documentation>Lijst met verwijzingen naar gebruikte nominale uitslagenlijsten</
xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="panels" type="panelTable">
        <xs:annotation>
          <xs:documentation>Lijst gebruikte panels</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="effectiveDate" use="required" type="xs:string"/>
    <xs:attribute name="user" use="optional" type="xs:string"/>
    <xs:attribute name="type" use="optional" type="xs:string"/>
  </xs:complexType>
</xs:element>
```

Element desc

Namespace	No namespace

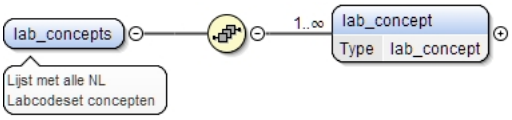
Diagram	
Properties	content: `complex` mixed: `true`
Used by	Elements desc, publication
Model	desc*
Children	desc

Instance	`<desc language="">`
	`  <desc language="">{0,unbounded}</desc>`
	`</desc>`

Attributes	**QName** / **Type** / **Use** **language** / xs:NCName / optional

Source	`<xs:element name="desc">`
	`  <xs:complexType mixed="true">`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" maxOccurs="unbounded" ref="desc"/>`
	`  </xs:sequence>`
	`  <xs:attribute name="language" type="xs:NCName"/>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concepts

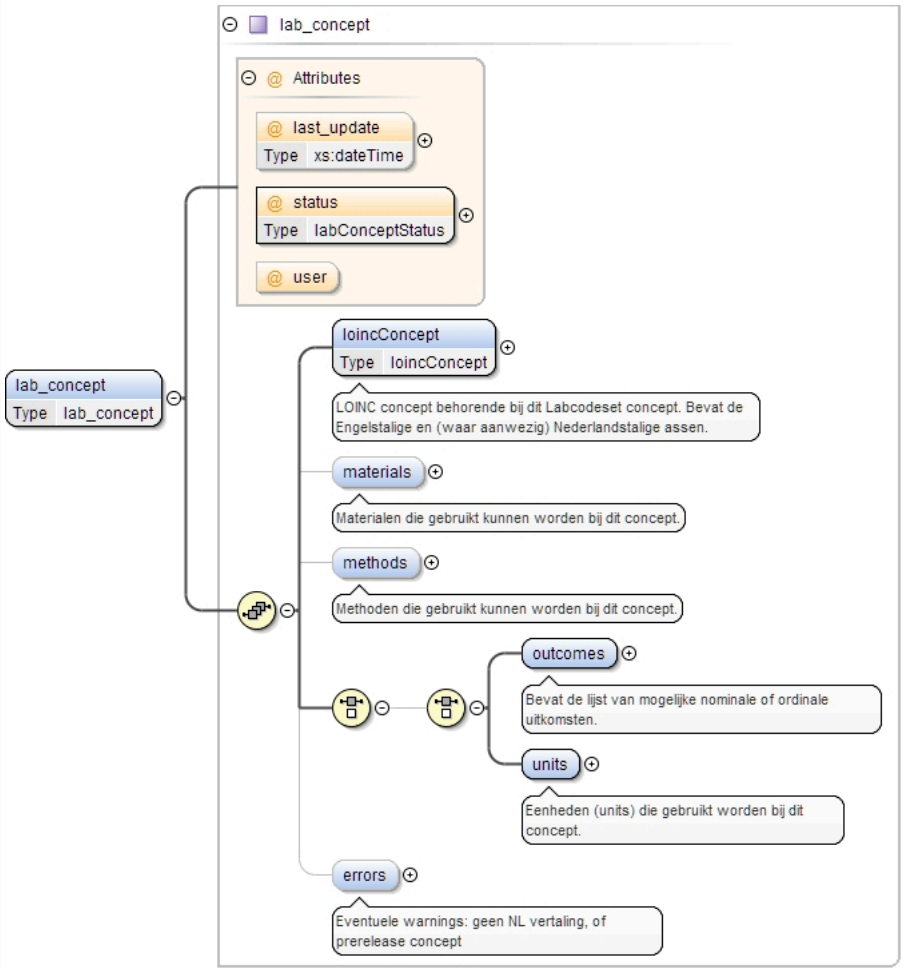
Namespace	No namespace
Annotations	Lijst met alle NL Labcodeset concepten
Diagram	
Properties	content: `complex`
Used by	Element publication
Model	lab_concept+
Children	lab_concept

Instance	`<lab_concepts>`
	`  <lab_concept last_update="" status="" user="">{1,unbounded}</lab_concept>`
	`</lab_concepts>`

Source	`<xs:element name="lab_concepts">`
	`  <xs:annotation>`
	`  <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element maxOccurs="unbounded" name="lab_concept" type="lab_concept"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concepts / lab_concept

Namespace	No namespace

Diagram	
Type	lab_concept
Properties	content: `complex` maxOccurs: `unbounded`
Model	loincConcept , materials{0,1} , methods{0,1} , (outcomes | units) , errors{0,1}
Children	errors, loincConcept, materials, methods, outcomes, units

Instance	`<lab_concept last_update="" status="" user="">`
	`  <loincConcept language="" loinc_num="" status="">{1,1}</loincConcept>`
	`  <materials>{0,1}</materials>`
	`  <methods>{0,1}</methods>`
	`  <outcomes>{1,1}</outcomes>`
	`  <units>{1,1}</units>`
	`  <errors>{0,1}</errors>`
	`</lab_concept>`

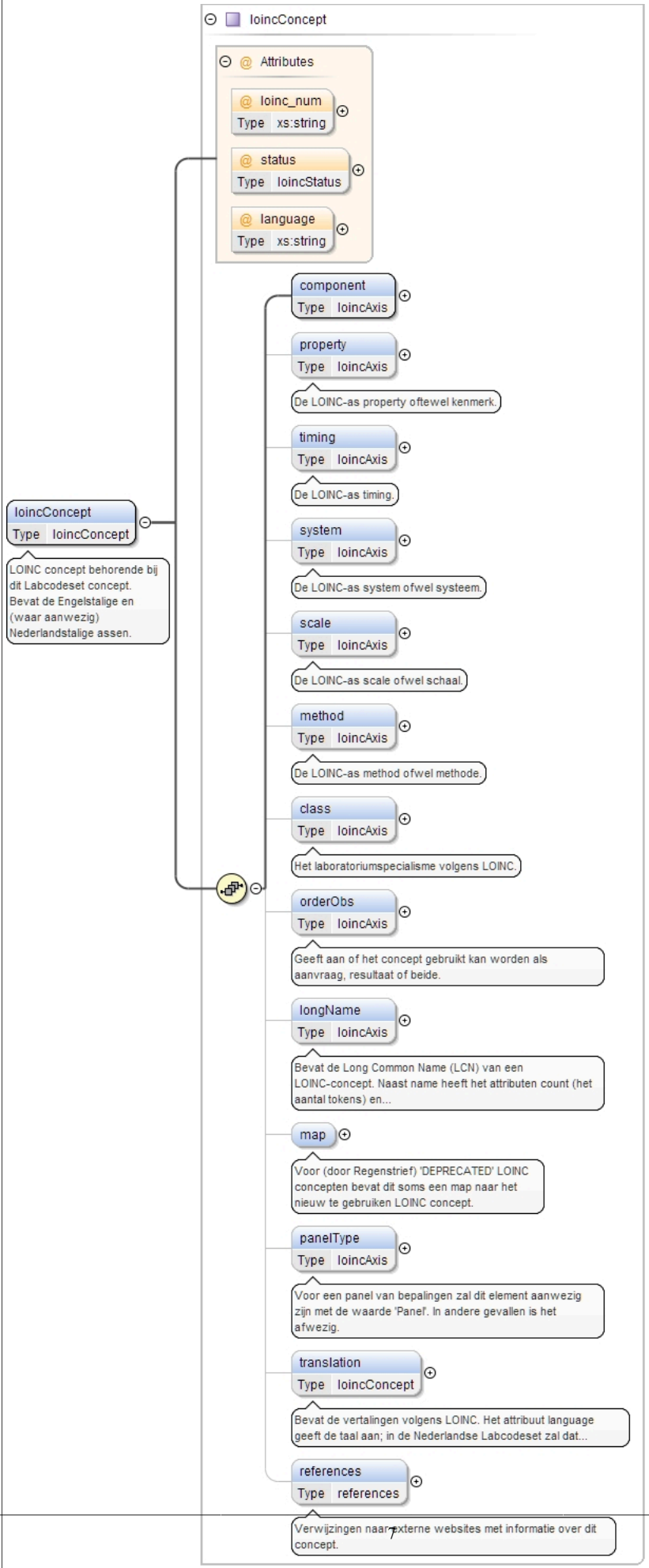
Attributes	QName	Type	Use	
	last_update	xs:dateTime	optional	
	status	labConceptStatus	required	
	user		optional	

Source	`<xs:element maxOccurs="unbounded" name="lab_concept" type="lab_concept"/>`

Element lab_concept / loincConcept

Namespace	No namespace
Annotations	`LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.`

Diagram


loincConcept
Attributes
loinc_num
Type xs:string
status
Type loincStatus
language
Type xs:string
component
Type loincAxis
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing.
system
Type loincAxis
De LOINC-as system ofwel systeem.
scale
Type loincAxis
De LOINC-as scale ofwel schaal.
method
Type loincAxis
De LOINC-as method ofwel methode.
class
Type loincAxis
Het laboratoriumspecialisme volgens LOINC.
orderObs
Type loincAxis
Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.
longName
Type loincAxis
Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft het attributen count (het aantal tokens) en...
map
Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een map naar het nieuw te gebruiken LOINC concept.
panelType
Type loincAxis
Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.
translation
Type loincConcept
Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan; in de Nederlandse Labcodeset zal dat...
references
Type references
Verwijzingen naar externe websites met informatie over dit concept.
loincConcept
Type loincConcept
LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.

Type	loincConcept
Properties	content: complex
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map{0,1} , panelType{0,1} , translation{0,1} , references{0,1}
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation

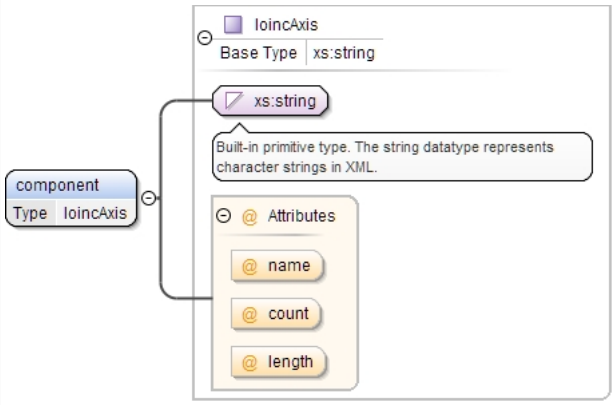
Instance	`<loincConcept language="" loinc_num="" status="">`
	`  <component count="" length="" name="">{1,1}</component>`
	`  <property count="" length="" name="">{0,1}</property>`
	`  <timing count="" length="" name="">{0,1}</timing>`
	`  <system count="" length="" name="">{0,1}</system>`
	`  <scale count="" length="" name="">{0,1}</scale>`
	`  <method count="" length="" name="">{0,1}</method>`
	`  <class count="" length="" name="">{0,1}</class>`
	`  <orderObs count="" length="" name="">{0,1}</orderObs>`
	`  <longName count="" length="" name="">{0,1}</longName>`
	`  <map comment="" from="" to="">{0,1}</map>`
	`  <panelType count="" length="" name="">{0,1}</panelType>`
	`  <translation language="" loinc_num="" status="">{0,1}</translation>`
	`  <references>{0,1}</references>`
	`</loincConcept>`

Attributes	QName	Type	Use	
	language	xs:string	optional	
	loinc_num	xs:string	optional	
	status	loincStatus	optional	

Source

```
<xs:element name="loincConcept" type="loincConcept">
  <xs:annotation>
    <xs:documentation>LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en
 (waar aanwezig) Nederlandstalige assen.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element loincConcept / component

Namespace	No namespace
Annotations	
Diagram	

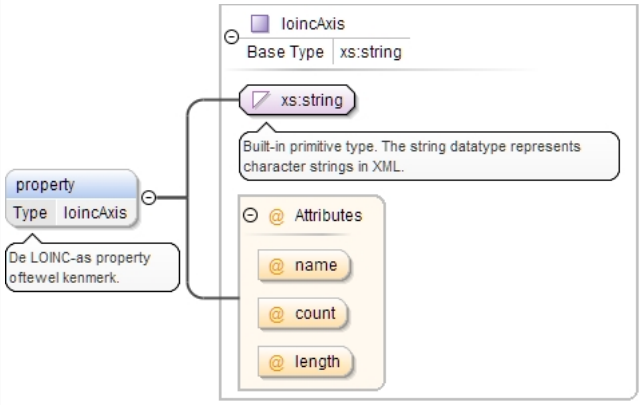
Type	loincAxis
Properties	content: complex minOccurs: 1 maxOccurs: 1

Attributes	QName	Type	Use	
	count		optional	
	length		optional	
	name		optional	

Source

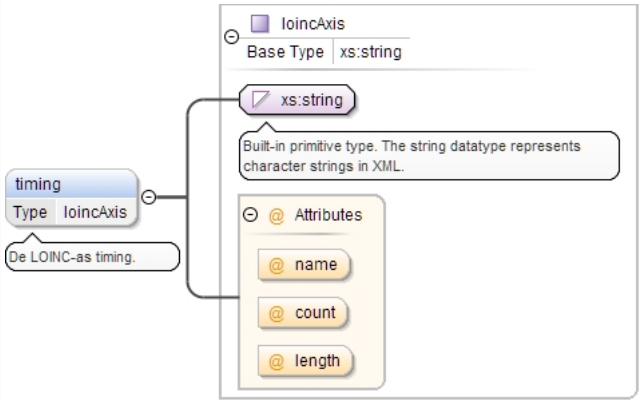
```
<xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation/>
  </xs:annotation>
</xs:element>
```

Element loincConcept / property

Namespace	No namespace
Annotations	De LOINC-as property oftewel kenmerk.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / optional **length** / optional **name** / optional

Source	`<xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as property oftewel kenmerk.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / timing

Namespace	No namespace
Annotations	De LOINC-as timing.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / optional **length** / optional

	QName	Type	Use	
	name		optional	

Source

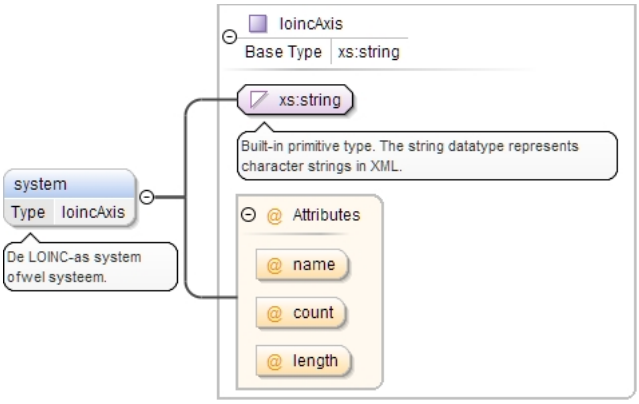
```
<xs:element name="timing" type="loincAxis" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De LOINC-as timing.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element loincConcept / system

Namespace: No namespace

Annotations: De LOINC-as system ofwel systeem.

Diagram



Type: loincAxis

Properties

content:	complex
minOccurs:	0
maxOccurs:	1

Attributes

QName	Type	Use	
count		optional	
length		optional	
name		optional	

Source

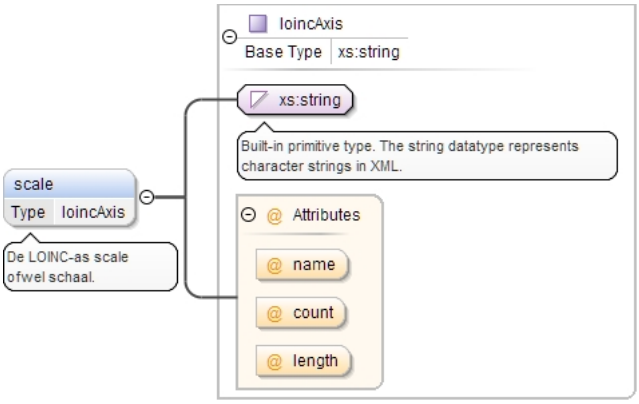
```
<xs:element name="system" type="loincAxis" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De LOINC-as system ofwel systeem.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element loincConcept / scale

Namespace: No namespace

Annotations: De LOINC-as scale ofwel schaal.

Diagram

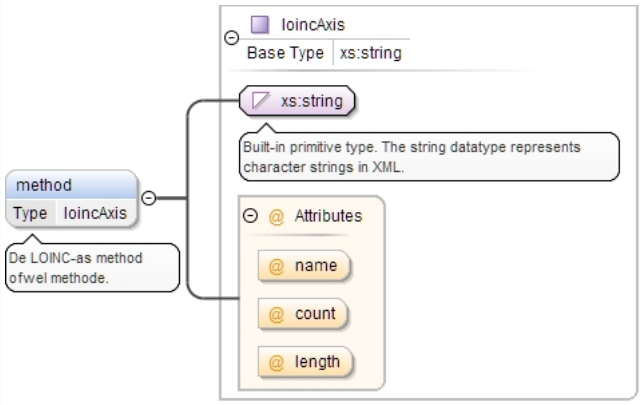


Type: loincAxis

Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	1		
Attributes	**QName**	**Type**	**Use**	
	count		optional	
	length		optional	
	name		optional	

Source	`<xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as scale ofwel schaal.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`			

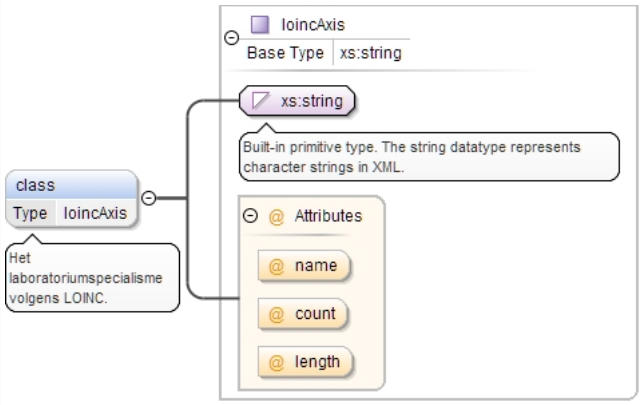
Element loincConcept / method

Namespace	No namespace
Annotations	De LOINC-as method ofwel methode.
Diagram	
Type	loincAxis
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Attributes	**QName** / **Type** / **Use**
	count / optional
	length / optional
	name / optional

Source	`<xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as method ofwel methode.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

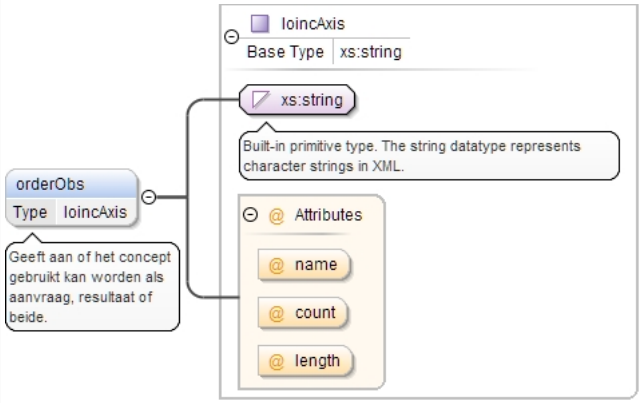
Element loincConcept / class

Namespace	No namespace
Annotations	Het laboratoriumspecialisme volgens LOINC.

Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / / optional **length** / / optional **name** / / optional

Source	`<xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Het laboratoriumspecialisme volgens LOINC.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

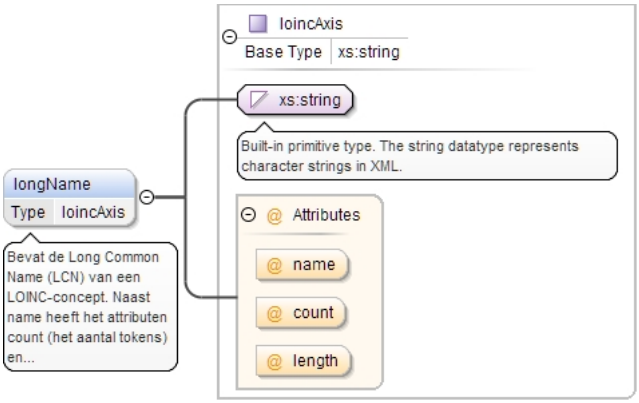
Element loincConcept / orderObs

Namespace	No namespace
Annotations	Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / / optional **length** / / optional **name** / / optional

Source	`<xs:element name="orderObs" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.</xs:documentation>`

```
  </xs:annotation>
</xs:element>
```

Element loincConcept / longName

Namespace	No namespace
Annotations	Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft het attributen count (het aantal tokens) en length (de totale lengte). Dit is de naam waarmee een LOINC-concept getoond dient te worden.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / / optional **length** / / optional **name** / / optional

Source	`<xs:element name="longName" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft het attributen count (het aantal tokens) en length (de totale lengte). Dit is de naam waarmee een LOINC-concept getoond dient te worden.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / map

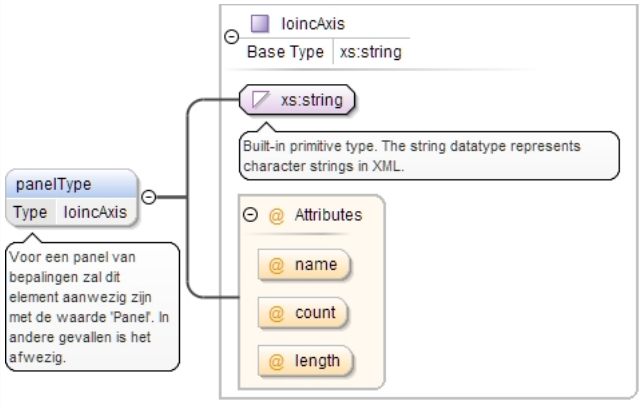
Namespace	No namespace
Annotations	Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een map naar het nieuw te gebruiken LOINC concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1

Attributes	**QName**	**Type**	**Use**	
	comment		optional	
	from		optional	
	to		optional	

Source

```
<xs:element name="map" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een map
 naar het nieuw te gebruiken LOINC concept.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="from"/>
    <xs:attribute name="to"/>
    <xs:attribute name="comment"/>
  </xs:complexType>
</xs:element>
```

Element loincConcept / panelType

Namespace	No namespace
Annotations	Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **count** / optional **length** / optional **name** / optional

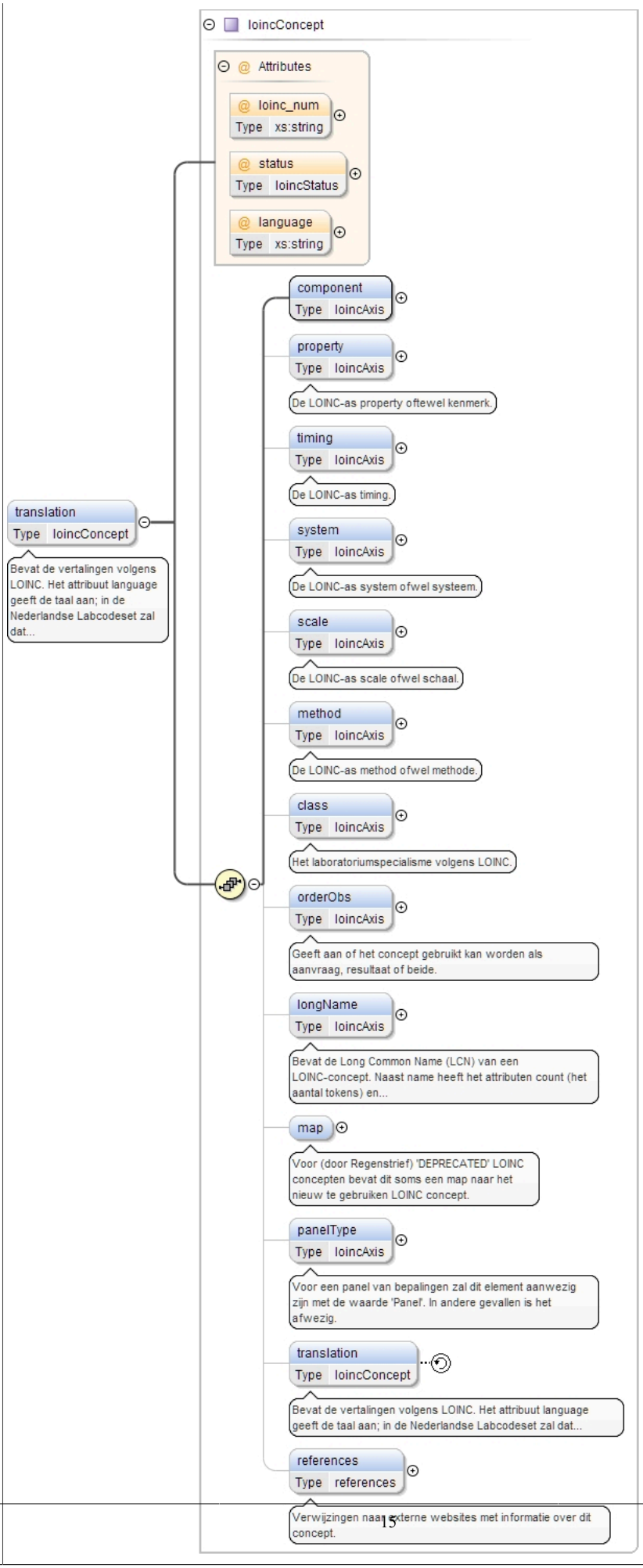
Source

```
<xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde
 'Panel'. In andere gevallen is het afwezig.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element loincConcept / translation

Namespace	No namespace
Annotations	Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan; in de Nederlandse Labcodeset zal dat nl-NL zijn.

Diagram


loincConcept
Attributes
loinc_num
Type xs:string
status
Type loincStatus
language
Type xs:string
translation
Type loincConcept
Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan; in de Nederlandse Labcodeset zal dat...
component
Type loincAxis
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing.
system
Type loincAxis
De LOINC-as system ofwel systeem.
scale
Type loincAxis
De LOINC-as scale ofwel schaal.
method
Type loincAxis
De LOINC-as method ofwel methode.
class
Type loincAxis
Het laboratoriumspecialisme volgens LOINC.
orderObs
Type loincAxis
Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.
longName
Type loincAxis
Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft het attributen count (het aantal tokens) en...
map
Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een map naar het nieuw te gebruiken LOINC concept.
panelType
Type loincAxis
Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.
translation
Type loincConcept
Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan; in de Nederlandse Labcodeset zal dat...
references
Type references
Verwijzingen naar externe websites met informatie over dit concept.

Type	loincConcept
Properties	content: complex minOccurs: 0
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map{0,1} , panelType{0,1} , translation{0,1} , references{0,1}
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation

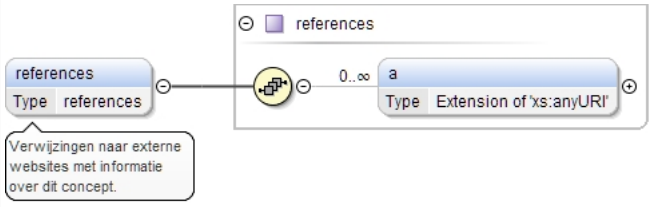
Instance	`<translation language="" loinc_num="" status="">`
	`  <component count="" length="" name="">{1,1}</component>`
	`  <property count="" length="" name="">{0,1}</property>`
	`  <timing count="" length="" name="">{0,1}</timing>`
	`  <system count="" length="" name="">{0,1}</system>`
	`  <scale count="" length="" name="">{0,1}</scale>`
	`  <method count="" length="" name="">{0,1}</method>`
	`  <class count="" length="" name="">{0,1}</class>`
	`  <orderObs count="" length="" name="">{0,1}</orderObs>`
	`  <longName count="" length="" name="">{0,1}</longName>`
	`  <map comment="" from="" to="">{0,1}</map>`
	`  <panelType count="" length="" name="">{0,1}</panelType>`
	`  <translation language="" loinc_num="" status="">{0,1}</translation>`
	`  <references>{0,1}</references>`
	`</translation>`

Attributes	QName	Type	Use
	language	xs:string	optional
	loinc_num	xs:string	optional
	status	loincStatus	optional

Source

```
<xs:element name="translation" type="loincConcept" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan;
 in de Nederlandse Labcodeset zal dat nl-NL zijn.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element loincConcept / references

Namespace	No namespace
Annotations	Verwijzingen naar externe websites met informatie over dit concept.
Diagram	
Type	references
Properties	content: complex minOccurs: 0
Model	a*
Children	a

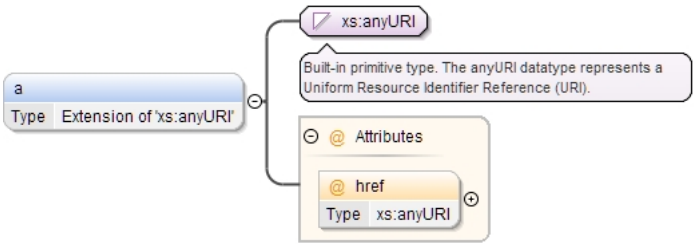
Instance	`<references>`
	`  <a href="">{0,unbounded}</a>`
	`</references>`

Source

```
<xs:element name="references" type="references" minOccurs="0">
  <xs:annotation>
    <xs:documentation>Verwijzingen naar externe websites met informatie over dit concept.</
xs:documentation>
  </xs:annotation>
</xs:element>
```

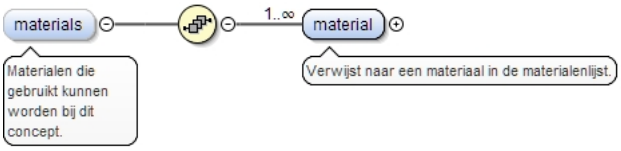
Element references / a

Namespace	No namespace

Diagram	
Type	extension of xs:anyURI
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Attributes	**QName** / **Type** / **Use** **href** / xs:anyURI / optional

Source	`<xs:element name="a" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:anyURI">`
	`  <xs:attribute name="href" type="xs:anyURI"/>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concept / materials

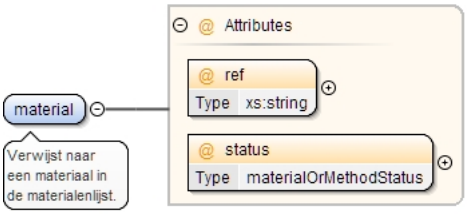
Namespace	No namespace
Annotations	Materialen die gebruikt kunnen worden bij dit concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	material+
Children	material

Instance	`<materials>`
	`  <material ref="" status="">{1,unbounded}</material>`
	`</materials>`

Source	`<xs:element name="materials" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Materialen die gebruikt kunnen worden bij dit concept.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="material" minOccurs="1" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een materiaal in de materialenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string" use="required"/>`
	`  <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

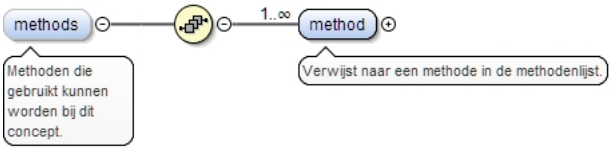
Element lab_concept / materials / material

Namespace	No namespace

Annotations	Verwijst naar een materiaal in de materialenlijst.
Diagram	
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Attributes	**QName** / **Type** / **Use** **ref** / xs:string / required **status** / materialOrMethodStatus / required

Source	`<xs:element name="material" minOccurs="1" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een materiaal in de materialenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string" use="required"/>`
	`  <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concept / methods

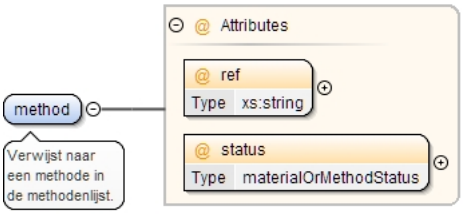
Namespace	No namespace
Annotations	Methoden die gebruikt kunnen worden bij dit concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	method+
Children	method

Instance	`<methods>`
	`  <method ref="" status="">{1,unbounded}</method>`
	`</methods>`

Source	`<xs:element name="methods" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Methoden die gebruikt kunnen worden bij dit concept.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="method" minOccurs="1" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een methode in de methodenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string" use="required"/>`
	`  <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concept / methods / method

Namespace	No namespace

Annotations	Verwijst naar een methode in de methodenlijst.
Diagram	
Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Attributes	**QName** / **Type** / **Use** **ref** / xs:string / required **status** / materialOrMethodStatus / required

Source	`<xs:element name="method" minOccurs="1" maxOccurs="unbounded">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een methode in de methodenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string" use="required"/>`
	`  <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`
	`  </xs:complexType>`
	`</xs:element>`

Element lab_concept / outcomes

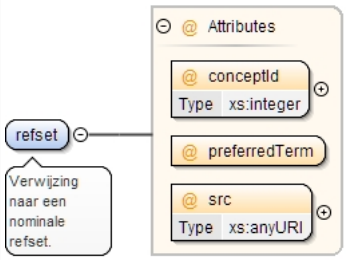
Namespace	No namespace
Annotations	Bevat de lijst van mogelijke nominale of ordinale uitkomsten.
Diagram	
Properties	content: complex
Model	refset | valueSet
Children	refset, valueSet

Instance	`<outcomes>`
	`  <refset conceptId="" preferredTerm="" src="">{1,1}</refset>`
	`  <valueSet ref="">{1,1}</valueSet>`
	`</outcomes>`

Source	`<xs:element name="outcomes">`
	`  <xs:annotation>`
	`  <xs:documentation>Bevat de lijst van mogelijke nominale of ordinale uitkomsten.</`
	`xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:choice minOccurs="0">`
	`  <xs:element ref="refset">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een referentieset in SNOMED. U kunt deze vinden in de`
	` Nederlandse SNOMED-editie met behulp van het gegeven conceptId.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="valueSet">`
	`  <xs:annotation>`
	`  <xs:documentation>"Verwijst naar de lijst van mogelijke ordinale uitkomsten."</`
	`xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string"/>`
	`  </xs:complexType>`
	`  </xs:element>`

```
    </xs:choice>
  </xs:complexType>
</xs:element>
```

Element refset

Namespace	No namespace
Annotations	Verwijzing naar een nominale refset.
Diagram	
Properties	content: complex
Used by	Elements lab_concept/outcomes, nominals

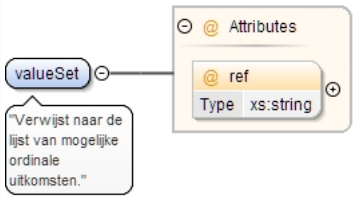
Attributes

QName	Type	Use	
conceptId	xs:integer	required	
preferredTerm		required	
src	xs:anyURI	required	

Source

```
<xs:element name="refset">
  <xs:annotation>
    <xs:documentation>Verwijzing naar een nominale refset.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="conceptId" use="required" type="xs:integer"/>
    <xs:attribute name="preferredTerm" use="required"/>
    <xs:attribute name="src" use="required" type="xs:anyURI"/>
  </xs:complexType>
</xs:element>
```

Element lab_concept / outcomes / valueSet

Namespace	No namespace
Annotations	"Verwijst naar de lijst van mogelijke ordinale uitkomsten."
Diagram	
Properties	content: complex

Attributes

QName	Type	Use	
ref	xs:string	optional	

Source

```
<xs:element name="valueSet">
  <xs:annotation>
    <xs:documentation>"Verwijst naar de lijst van mogelijke ordinale uitkomsten."</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:attribute name="ref" type="xs:string"/>
  </xs:complexType>
</xs:element>
```

Element lab_concept / units

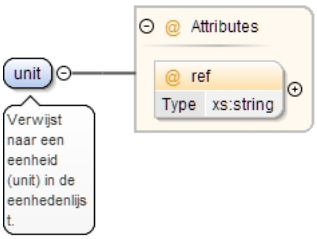
Namespace	No namespace
Annotations	Eenheden (units) die gebruikt worden bij dit concept.

Diagram	
Properties	content: complex
Model	unit
Children	unit

Instance	`<units>`
	`  <unit ref="">{1,1}</unit>`
	`</units>`

Source	`<xs:element name="units">`
	`  <xs:annotation>`
	`  <xs:documentation>Eenheden (units) die gebruikt worden bij dit concept.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="unit">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string"/>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

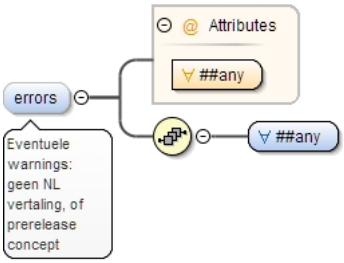
Element lab_concept / units / unit

Namespace	No namespace
Annotations	Verwijst naar een eenheid (unit) in de eenhedenlijst.
Diagram	
Properties	content: complex
Attributes	**QName** / **Type** / **Use** **ref** / xs:string / optional

Source	`<xs:element name="unit">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:attribute name="ref" type="xs:string"/>`
	`  </xs:complexType>`
	`</xs:element>`

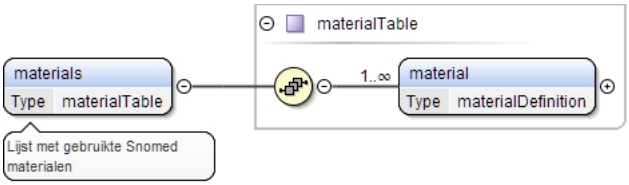
Element lab_concept / errors

Namespace	No namespace
Annotations	Eventuele warnings: geen NL vertaling, of prerelease concept

Diagram	
Properties	content: `complex` minOccurs: `0`
Model	ANY element from ANY namespace
Attributes	**Wildcard:** ANY attribute from ANY namespace

Source	`<xs:element name="errors" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Eventuele warnings: geen NL vertaling, of prerelease concept</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:any processContents="skip"/>`
	`  </xs:sequence>`
	`  <xs:anyAttribute processContents="skip"/>`
	`  </xs:complexType>`
	`</xs:element>`

Element `publication / materials`

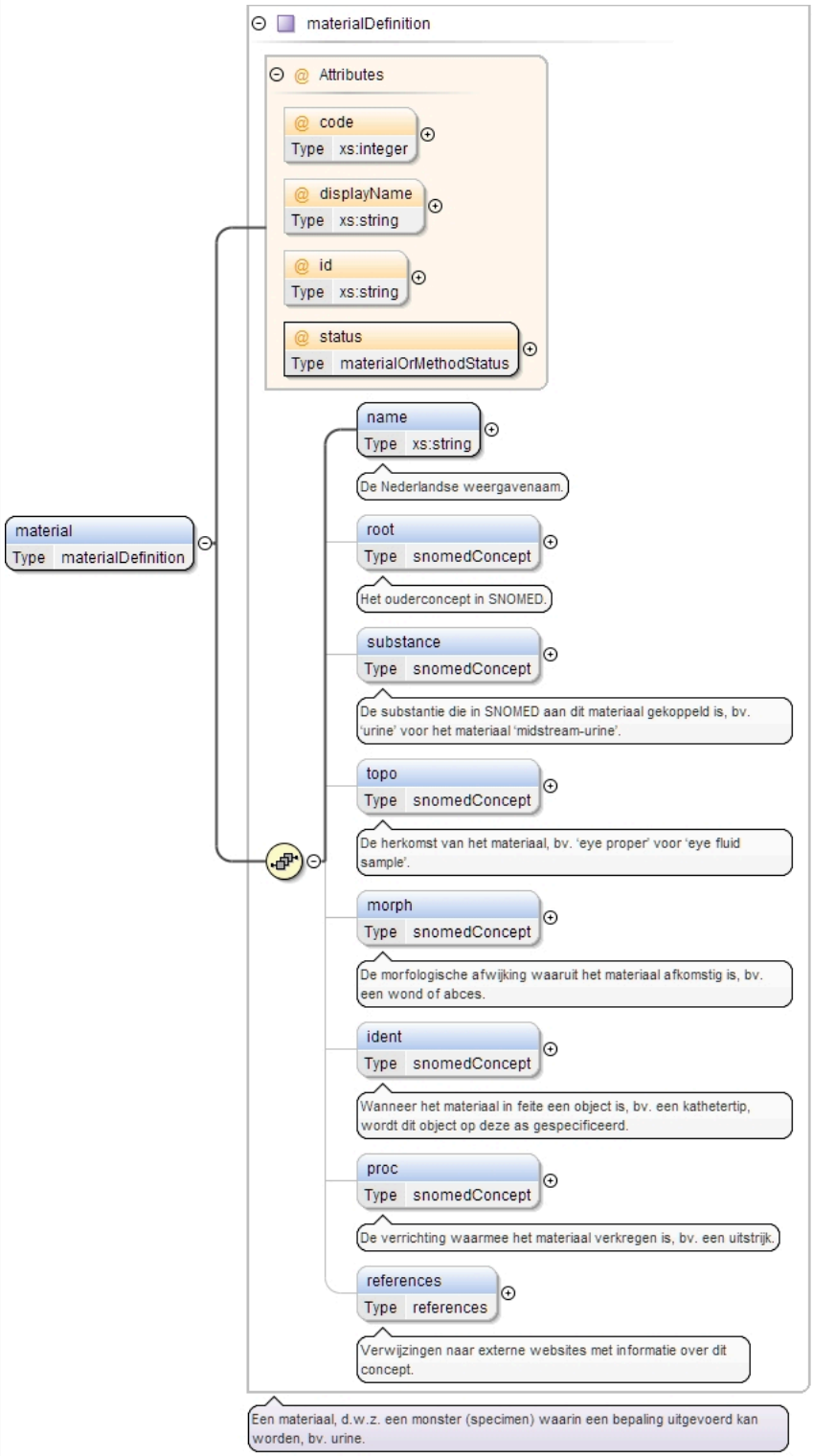
Namespace	No namespace
Annotations	`Lijst met gebruikte Snomed materialen`
Diagram	
Type	materialTable
Properties	content: `complex`
Model	material+
Children	material

Instance	`<materials>`
	`  <material code="" displayName="" id="" status="">{1,unbounded}</material>`
	`</materials>`

Source	`<xs:element name="materials" type="materialTable">`
	`  <xs:annotation>`
	`  <xs:documentation>Lijst met gebruikte Snomed materialen</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element `materialTable / material`

Namespace	No namespace

Diagram	
Type	materialDefinition
Properties	content: complex maxOccurs: unbounded
Model	name , root{0,1} , substance{0,1} , topo{0,1} , morph{0,1} , ident{0,1} , proc{0,1} , references{0,1}
Children	ident, morph, name, proc, references, root, substance, topo

Instance	`<material code="" displayName="" id="" status="">`
	`<name>{1,1}</name>`
	`<root code="" displayName="">{0,1}</root>`
	`<substance code="" displayName="">{0,1}</substance>`
	`<topo code="" displayName="">{0,1}</topo>`

```
  <morph code="" displayName="">{0,1}</morph>
  <ident code="" displayName="">{0,1}</ident>
  <proc code="" displayName="">{0,1}</proc>
  <references>{0,1}</references>
</material>
```

Attributes

QName	Type	Use
code	xs:integer	optional
displayName	xs:string	optional
id	xs:string	optional
status	materialOrMethodStatus	required

Source

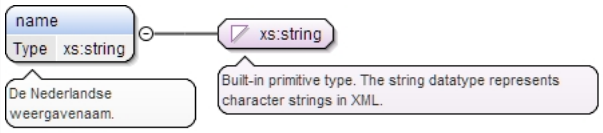
```
<xs:element name="material" type="materialDefinition" maxOccurs="unbounded"/>
```

Element `materialDefinition / name`

Namespace: No namespace

Annotations: `De Nederlandse weergavenaam.`

Diagram



Type: xs:string

Properties

content:	simple
minOccurs:	1
maxOccurs:	1

Source

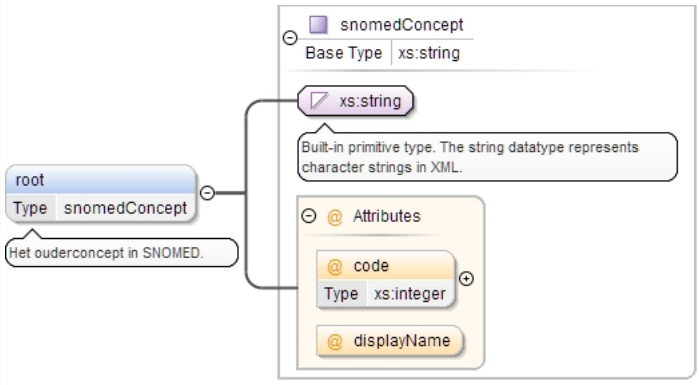
```
<xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De Nederlandse weergavenaam.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / root`

Namespace: No namespace

Annotations: `Het ouderconcept in SNOMED.`

Diagram



Type: snomedConcept

Properties

content:	complex
minOccurs:	0
maxOccurs:	1

Attributes

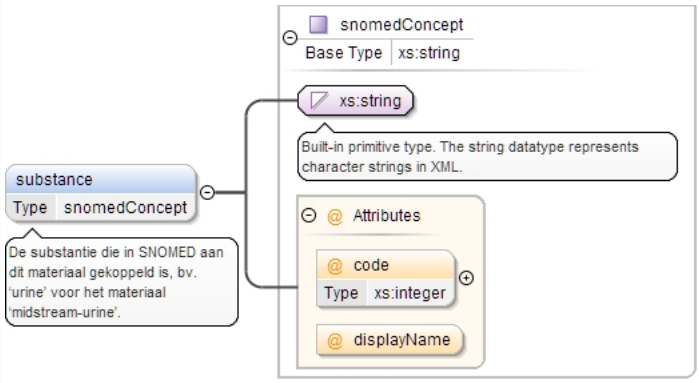
QName	Type	Use
code	xs:integer	optional
displayName		optional

Source

```
<xs:element name="root" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Het ouderconcept in SNOMED.</xs:documentation>
```

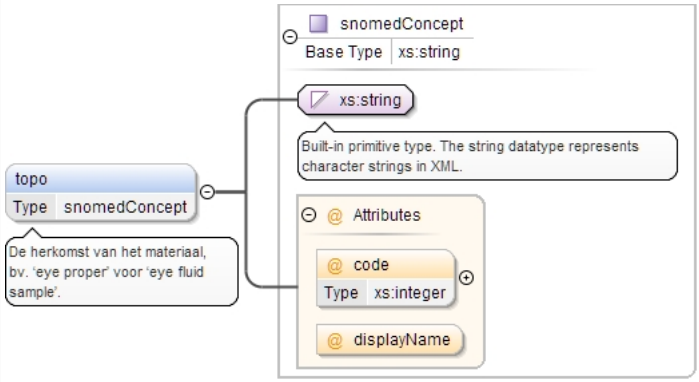
```
  </xs:annotation>
</xs:element>
```

Element materialDefinition / substance

Namespace	No namespace
Annotations	De substantie die in SNOMED aan dit materiaal gekoppeld is, bv. ‘urine’ voor het materiaal ‘midstream-urine’.
Diagram	
Type	snomedConcept
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **code** / xs:integer / optional **displayName** / / optional

Source	`<xs:element name="substance" type="snomedConcept" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De substantie die in SNOMED aan dit materiaal gekoppeld is, bv. ‘urine’ voor het materiaal ‘midstream-urine’.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element materialDefinition / topo

Namespace	No namespace
Annotations	De herkomst van het materiaal, bv. ‘eye proper’ voor ‘eye fluid sample’.
Diagram	
Type	snomedConcept
Properties	content: complex minOccurs: 0 maxOccurs: 1
Attributes	**QName** / **Type** / **Use** **code** / xs:integer / optional

	QName	Type	Use	
	displayName		optional	

Source

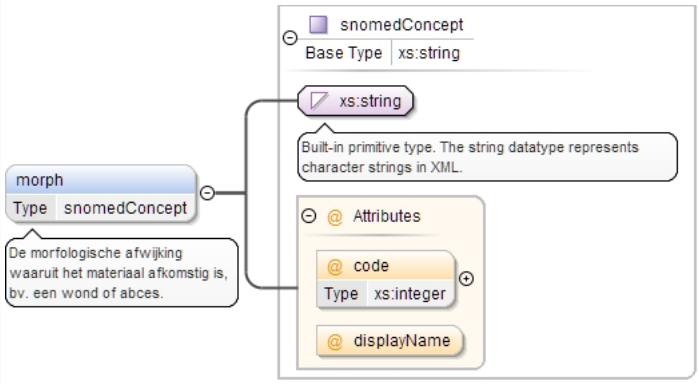
```
<xs:element name="topo" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De herkomst van het materiaal, bv. ‘eye proper’ voor ‘eye fluid sample’.</
xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / morph`

Namespace: No namespace

Annotations: `De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of abces.`

Diagram



Type: snomedConcept

Properties

content:	complex
minOccurs:	0
maxOccurs:	1

Attributes

QName	Type	Use	
code	xs:integer	optional	
displayName		optional	

Source

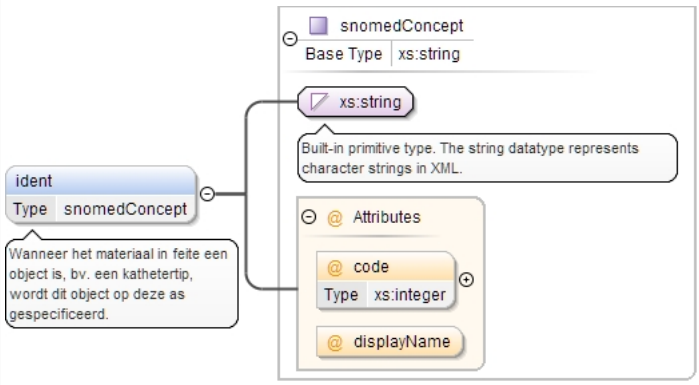
```
<xs:element name="morph" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of
 abces.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / ident`

Namespace: No namespace

Annotations: `Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt dit object op deze as gespecificeerd.`

Diagram



Type: snomedConcept

Properties

content:	complex

	minOccurs:	0
	maxOccurs:	1

Attributes

QName	Type	Use	
code	xs:integer	optional	
displayName		optional	

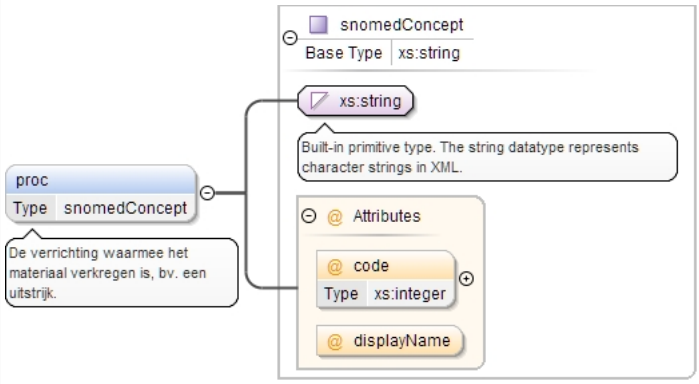
Source

```
<xs:element name="ident" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt dit
 object op deze as gespecificeerd.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / proc`

Namespace	No namespace
Annotations	`De verrichting waarmee het materiaal verkregen is, bv. een uitstrijk.`

Diagram



Type	snomedConcept	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1

Attributes

QName	Type	Use	
code	xs:integer	optional	
displayName		optional	

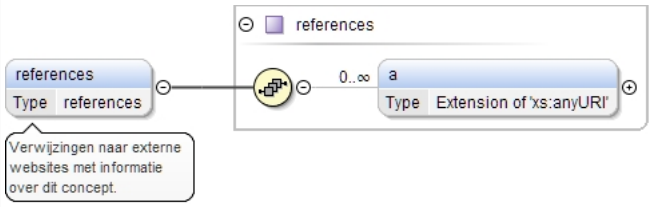
Source

```
<xs:element name="proc" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De verrichting waarmee het materiaal verkregen is, bv. een uitstrijk.</
xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / references`

Namespace	No namespace
Annotations	`Verwijzingen naar externe websites met informatie over dit concept.`

Diagram



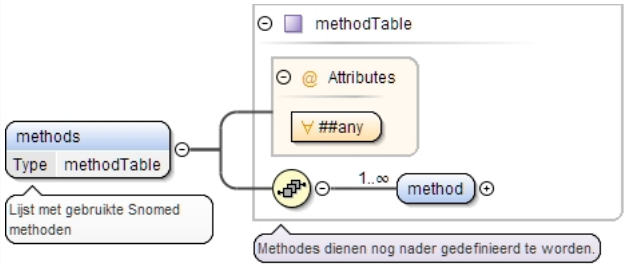
Type	references	
Properties	content:	complex
	minOccurs:	0

Model	a*
Children	a

Instance	`<references>`
	`  <a href="">{0,unbounded}</a>`
	`</references>`

Source	`<xs:element name="references" type="references" minOccurs="0">`
	`  <xs:annotation>`
	`  <xs:documentation>Verwijzingen naar externe websites met informatie over dit concept.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element `publication / methods`

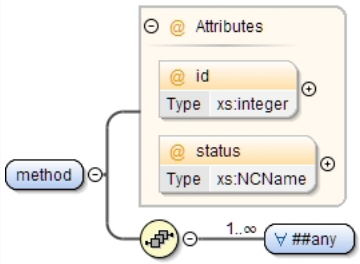
Namespace	No namespace
Annotations	`Lijst met gebruikte Snomed methoden`
Diagram	
Type	methodTable
Properties	content: `complex`
Model	method+
Children	method

Instance	`<methods>`
	`  <method id="" status="">{1,unbounded}</method>`
	`</methods>`

Attributes	**Wildcard:** ANY attribute from ANY namespace

Source	`<xs:element name="methods" type="methodTable">`
	`  <xs:annotation>`
	`  <xs:documentation>Lijst met gebruikte Snomed methoden</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element `methodTable / method`

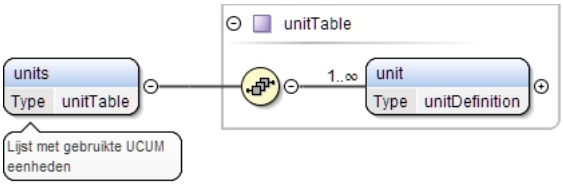
Namespace	No namespace
Diagram	
Properties	content: `complex` maxOccurs: `unbounded`
Model	ANY element from ANY namespace
Attributes	

QName	Type	Use	
id	xs:integer	optional	
status	xs:NCName	optional	

Source	`<xs:element name="method" maxOccurs="unbounded">` `  <xs:complexType>`

```
    <xs:sequence>
      <xs:any processContents="skip" maxOccurs="unbounded"/>
    </xs:sequence>
    <xs:attribute name="id" type="xs:integer"/>
    <xs:attribute name="status" type="xs:NCName"/>
  </xs:complexType>
</xs:element>
```

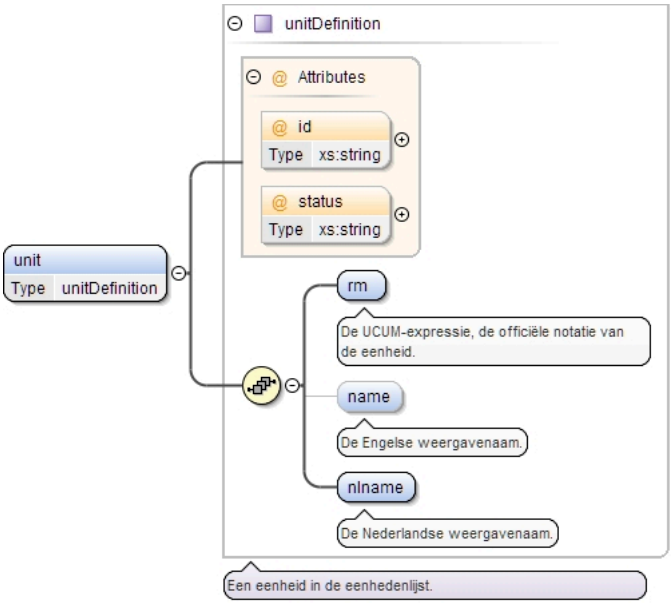
Element publication / units

Namespace	No namespace
Annotations	Lijst met gebruikte UCUM eenheden
Diagram	
Type	unitTable
Properties	content: complex
Model	unit+
Children	unit

Instance	`<units>`
	`  <unit id="" status="">{1,unbounded}</unit>`
	`</units>`

Source	`<xs:element name="units" type="unitTable">`
	`  <xs:annotation>`
	`  <xs:documentation>Lijst met gebruikte UCUM eenheden</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element unitTable / unit

Namespace	No namespace
Diagram	
Type	unitDefinition
Properties	content: complex maxOccurs: unbounded
Model	rm , name{0,1} , nlname
Children	name, nlname, rm
Instance	`<unit id="" status="">`

```
  <rm>{1,1}</rm>
  <name>{0,1}</name>
  <nlname>{1,1}</nlname>
</unit>
```

Attributes

QName	Type	Use	
id	xs:string	optional	
status	xs:string	optional	

Source

```
<xs:element name="unit" maxOccurs="unbounded" type="unitDefinition"/>
```

Element unitDefinition / rm

Namespace	No namespace
Annotations	De UCUM-expressie, de officiële notatie van de eenheid.
Diagram	rm De UCUM-expressie, de officiële notatie van de eenheid.
Properties	minOccurs: 1 maxOccurs: 1

Source

```
<xs:element name="rm" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De UCUM-expressie, de officiële notatie van de eenheid.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element unitDefinition / name

Namespace	No namespace
Annotations	De Engelse weergavenaam.
Diagram	name De Engelse weergavenaam.
Properties	minOccurs: 0 maxOccurs: 1

Source

```
<xs:element name="name" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De Engelse weergavenaam.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element unitDefinition / nlname

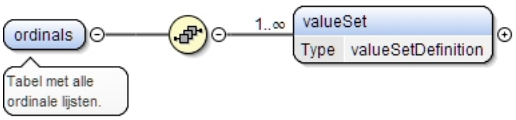
Namespace	No namespace
Annotations	De Nederlandse weergavenaam.
Diagram	nlname De Nederlandse weergavenaam.
Properties	minOccurs: 1 maxOccurs: 1

Source

```
<xs:element name="nlname" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De Nederlandse weergavenaam.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element ordinals

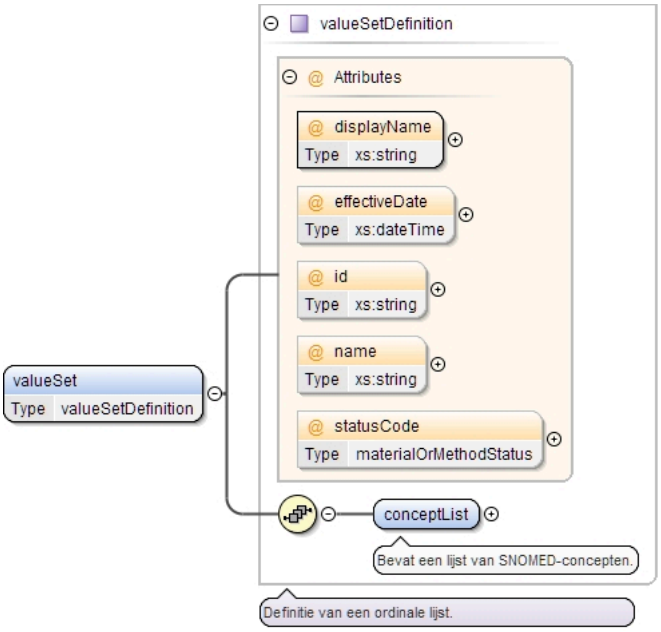
Namespace	No namespace
Annotations	Tabel met alle ordinale lijsten.

Diagram	
Properties	content: `complex`
Used by	Element publication
Model	valueSet+
Children	valueSet

Instance	`<ordinals>`
	`  <valueSet displayName="" effectiveDate="" id="" name="" statusCode="">{1,unbounded}</valueSet>`
	`</ordinals>`

Source	`<xs:element name="ordinals">`
	`  <xs:annotation>`
	`  <xs:documentation>Tabel met alle ordinale lijsten.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element maxOccurs="unbounded" name="valueSet" type="valueSetDefinition"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element `ordinals / valueSet`

Namespace	No namespace
Diagram	
Type	valueSetDefinition
Properties	content: `complex` maxOccurs: `unbounded`
Model	conceptList
Children	conceptList

Instance	`<valueSet displayName="" effectiveDate="" id="" name="" statusCode="">`
	`  <conceptList>{1,1}</conceptList>`
	`</valueSet>`

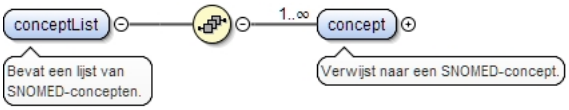
Attributes	

QName	Type	Use	
displayName	xs:string	required	
effectiveDate	xs:dateTime	optional	
id	xs:string	optional	
name	xs:string	optional	

	QName	Type	Use	
	statusCode	materialOrMethodStatus	optional	

Source
```
<xs:element maxOccurs="unbounded" name="valueSet" type="valueSetDefinition"/>
```

Element `valueSetDefinition / conceptList`

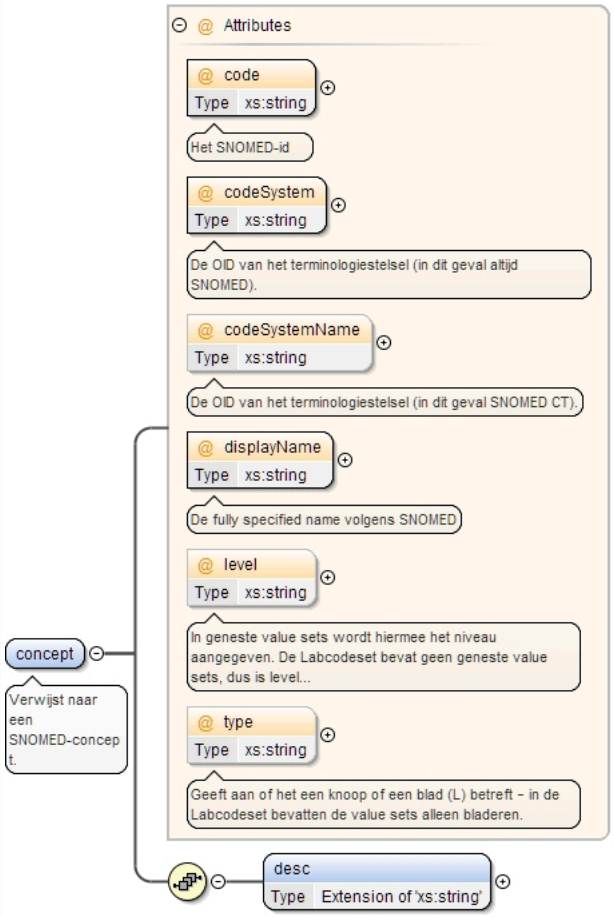
Namespace	No namespace
Annotations	Bevat een lijst van SNOMED-concepten.
Diagram	
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	concept+
Children	concept

Instance	`<conceptList>`
	`  <concept code="" codeSystem="" codeSystemName="" displayName="" level="" type="">{1,unbounded}</concept>`
	`</conceptList>`

Source
```
<xs:element name="conceptList" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>Bevat een lijst van SNOMED-concepten.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element maxOccurs="unbounded" name="concept">
        <xs:annotation>
          <xs:documentation>Verwijst naar een SNOMED-concept.</xs:documentation>
        </xs:annotation>
        <xs:complexType>
          <xs:sequence>
            <xs:element name="desc">
              <xs:complexType>
                <xs:simpleContent>
                  <xs:extension base="xs:string">
                    <xs:attribute name="language"/>
                  </xs:extension>
                </xs:simpleContent>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
          <xs:attribute name="code" type="xs:string" use="required">
            <xs:annotation>
              <xs:documentation>Het SNOMED-id</xs:documentation>
            </xs:annotation>
          </xs:attribute>
          <xs:attribute name="codeSystem" type="xs:string" use="required">
            <xs:annotation>
              <xs:documentation>De OID van het terminologiestelsel (in dit geval altijd SNOMED).</
xs:documentation>
            </xs:annotation>
          </xs:attribute>
          <xs:attribute name="codeSystemName" type="xs:string" use="optional">
            <xs:annotation>
              <xs:documentation>De OID van het terminologiestelsel (in dit geval SNOMED CT).</
xs:documentation>
            </xs:annotation>
          </xs:attribute>
          <xs:attribute name="displayName" type="xs:string" use="required">
            <xs:annotation>
              <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>
            </xs:annotation>
          </xs:attribute>
          <xs:attribute name="level" type="xs:string" use="optional">
            <xs:annotation>
              <xs:documentation>In geneste value sets wordt hiermee het niveau aangegeven. De
 Labcodeset bevat geen geneste value sets, dus is level altijd 0.</xs:documentation>
            </xs:annotation>
          </xs:attribute>
          <xs:attribute name="type" type="xs:string" use="optional">
            <xs:annotation>
```

```
                <xs:documentation>Geeft aan of het een knoop of een blad (L) betreft - in de
 Labcodeset bevatten de value sets alleen bladeren.</xs:documentation>
            </xs:annotation>
          </xs:attribute>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Element `valueSetDefinition / conceptList / concept`

Namespace	No namespace
Annotations	`Verwijst naar een SNOMED-concept.`
Diagram	
Properties	content: `complex` maxOccurs: `unbounded`
Model	desc
Children	desc

Instance	`<concept code="" codeSystem="" codeSystemName="" displayName="" level="" type="">`
	`  <desc language="">{1,1}</desc>`
	`</concept>`

Attributes	

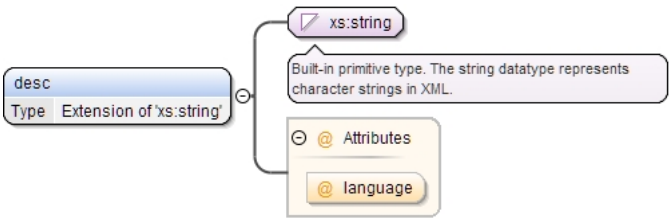
QName	Type	Use	
code	xs:string	required	
	`Het SNOMED-id`		
codeSystem	xs:string	required	
	`De OID van het terminologiestelsel (in dit geval altijd SNOMED).`		
codeSystemName	xs:string	optional	
	`De OID van het terminologiestelsel (in dit geval SNOMED CT).`		
displayName	xs:string	required	
	`De fully specified name volgens SNOMED`		

QName	Type	Use	
level	xs:string	optional	
	In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset bevat geen geneste value sets, dus is level altijd 0.		
type	xs:string	optional	
	Geeft aan of het een knoop of een blad (L) betreft – in de Labcodeset bevatten de value sets alleen bladeren.		

Source

```
<xs:element maxOccurs="unbounded" name="concept">
  <xs:annotation>
    <xs:documentation>Verwijst naar een SNOMED-concept.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="desc">
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="language"/>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="code" type="xs:string" use="required">
      <xs:annotation>
        <xs:documentation>Het SNOMED-id</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="codeSystem" type="xs:string" use="required">
      <xs:annotation>
        <xs:documentation>De OID van het terminologiestelsel (in dit geval altijd SNOMED).</
xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="codeSystemName" type="xs:string" use="optional">
      <xs:annotation>
        <xs:documentation>De OID van het terminologiestelsel (in dit geval SNOMED CT).</
xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="displayName" type="xs:string" use="required">
      <xs:annotation>
        <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="level" type="xs:string" use="optional">
      <xs:annotation>
        <xs:documentation>In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset
 bevat geen geneste value sets, dus is level altijd 0.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
    <xs:attribute name="type" type="xs:string" use="optional">
      <xs:annotation>
        <xs:documentation>Geeft aan of het een knoop of een blad (L) betreft – in de Labcodeset
 bevatten de value sets alleen bladeren.</xs:documentation>
      </xs:annotation>
    </xs:attribute>
  </xs:complexType>
</xs:element>
```

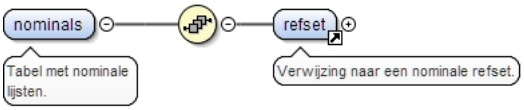
Element `valueSetDefinition / conceptList / concept / desc`

Namespace	No namespace
Diagram	
Type	extension of xs:string
Properties	content: `complex`

Attributes	**QName**	**Type**	**Use**	
	language		optional	

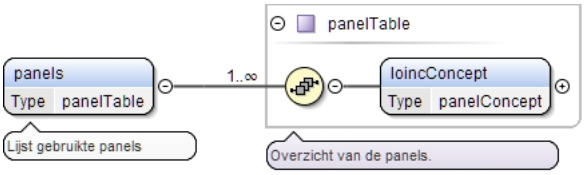
Source
```
<xs:element name="desc">
  <xs:complexType>
    <xs:simpleContent>
      <xs:extension base="xs:string">
        <xs:attribute name="language"/>
      </xs:extension>
    </xs:simpleContent>
  </xs:complexType>
</xs:element>
```

Element nominals

Namespace	No namespace
Annotations	Tabel met nominale lijsten.
Diagram	
Properties	content: complex
Used by	Element publication
Model	refset
Children	refset
Instance	`<nominals><refset conceptId="" preferredTerm="" src="">{1,1}</refset></nominals>`

Source
```
<xs:element name="nominals">
  <xs:annotation>
    <xs:documentation>Tabel met nominale lijsten.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element ref="refset"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

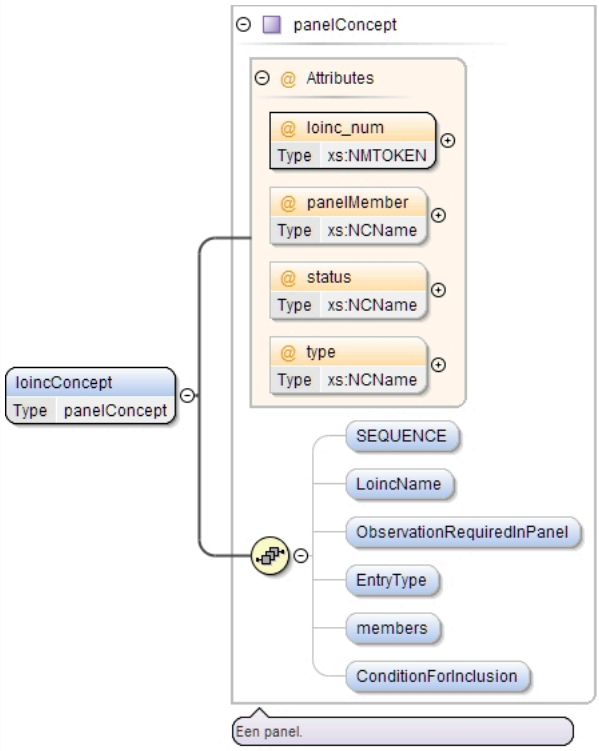
Element publication / panels

Namespace	No namespace
Annotations	Lijst gebruikte panels
Diagram	
Type	panelTable
Properties	content: complex
Model	loincConcept
Children	loincConcept
Instance	`<panels><loincConcept loinc_num="" panelMember="" status="" type="">{1,1}</loincConcept></panels>`

Source
```
<xs:element name="panels" type="panelTable">
  <xs:annotation>
    <xs:documentation>Lijst gebruikte panels</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element panelTable / loincConcept

Namespace	No namespace

Diagram	
Type	panelConcept
Properties	content: `complex`
Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , EntryType{0,1} , members{0,1} , ConditionForInclusion{0,1}
Children	ConditionForInclusion, EntryType, LoincName, ObservationRequiredInPanel, SEQUENCE, members

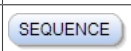
Instance	`<loincConcept loinc_num="" panelMember="" status="" type="">`
	`  <SEQUENCE>{0,1}</SEQUENCE>`
	`  <LoincName>{0,1}</LoincName>`
	`  <ObservationRequiredInPanel>{0,1}</ObservationRequiredInPanel>`
	`  <EntryType>{0,1}</EntryType>`
	`  <members>{0,1}</members>`
	`  <ConditionForInclusion>{0,1}</ConditionForInclusion>`
	`</loincConcept>`

Attributes	

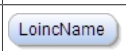
QName	Type	Use	
loinc_num	xs:NMTOKEN	required	
panelMember	xs:NCName	optional	
status	xs:NCName	optional	
type	xs:NCName	optional	

Source	`<xs:element name="loincConcept" type="panelConcept"/>`

Element panelConcept / SEQUENCE

Namespace	No namespace
Diagram	
Properties	minOccurs: `0`
Source	`<xs:element name="SEQUENCE" minOccurs="0"/>`

Element panelConcept / LoincName

Namespace	No namespace
Diagram	
Properties	minOccurs: `0`

Source	`<xs:element name="LoincName" minOccurs="0"/>`

Element panelConcept / ObservationRequiredInPanel

Namespace	No namespace
Diagram	ObservationRequiredInPanel
Properties	minOccurs: 0
Source	`<xs:element name="ObservationRequiredInPanel" minOccurs="0"/>`

Element panelConcept / EntryType

Namespace	No namespace
Diagram	EntryType
Properties	minOccurs: 0
Source	`<xs:element name="EntryType" minOccurs="0"/>`

Element panelConcept / members

Namespace	No namespace
Diagram	members
Properties	minOccurs: 0
Source	`<xs:element name="members" minOccurs="0"/>`

Element panelConcept / ConditionForInclusion

Namespace	No namespace
Diagram	ConditionForInclusion
Properties	minOccurs: 0
Source	`<xs:element minOccurs="0" name="ConditionForInclusion"/>`

Element EntryType

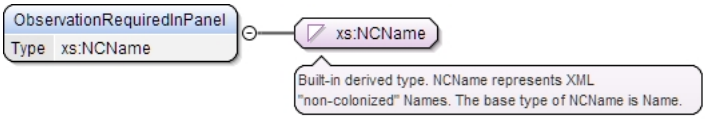
Namespace	No namespace
Diagram	EntryType Type xs:NCName xs:NCName Built-in derived type. NCName represents XML "non-colonized" Names. The base type of NCName is Name.
Type	xs:NCName
Properties	content: simple
Source	`<xs:element name="EntryType" type="xs:NCName"/>`

Element LoincName

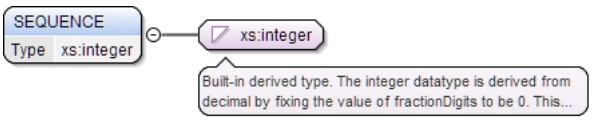
Namespace	No namespace
Diagram	LoincName Type xs:string xs:string Built-in primitive type. The string datatype represents character strings in XML.
Type	xs:string
Properties	content: simple

Source	`<xs:element name="LoincName" type="xs:string"/>`

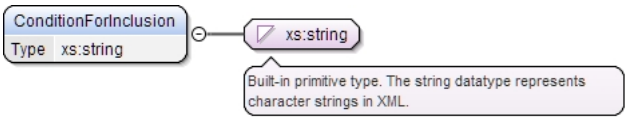
Element ObservationRequiredInPanel

Namespace	No namespace
Diagram	
Type	xs:NCName
Properties	content: simple
Source	`<xs:element name="ObservationRequiredInPanel" type="xs:NCName"/>`

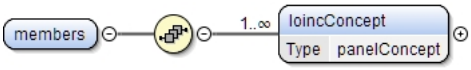
Element SEQUENCE

Namespace	No namespace
Diagram	
Type	xs:integer
Properties	content: simple
Source	`<xs:element name="SEQUENCE" type="xs:integer"/>`

Element ConditionForInclusion

Namespace	No namespace
Diagram	
Type	xs:string
Properties	content: simple
Source	`<xs:element name="ConditionForInclusion" type="xs:string"/>`

Element members

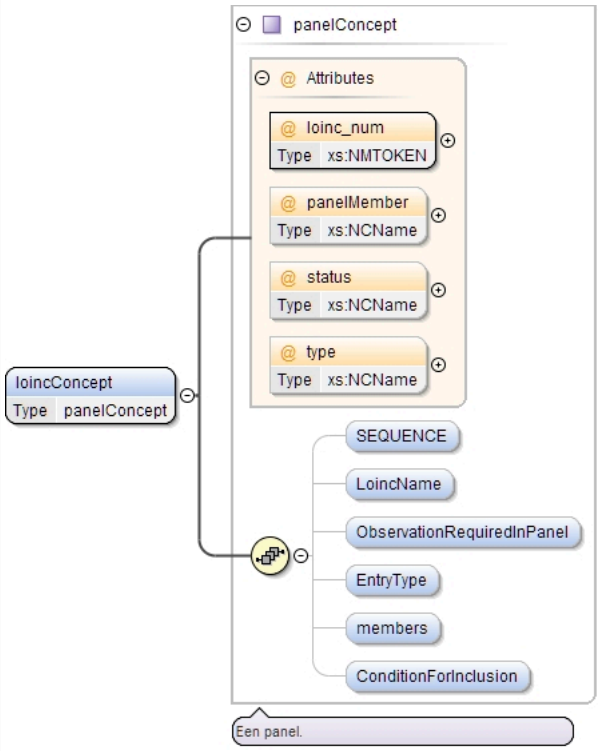
Namespace	No namespace
Diagram	
Properties	content: complex
Model	loincConcept+
Children	loincConcept

Instance	`<members>`
	`  <loincConcept loinc_num="" panelMember="" status="" type="">{1,unbounded}</loincConcept>`
	`</members>`

Source	`<xs:element name="members">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element name="loincConcept" maxOccurs="unbounded" type="panelConcept"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element members / loincConcept

Namespace	No namespace

Diagram	
Type	panelConcept
Properties	content: complex maxOccurs: unbounded
Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , EntryType{0,1} , members{0,1} , ConditionForInclusion{0,1}
Children	ConditionForInclusion, EntryType, LoincName, ObservationRequiredInPanel, SEQUENCE, members

Instance	`<loincConcept loinc_num="" panelMember="" status="" type="">`
	`  <SEQUENCE>{0,1}</SEQUENCE>`
	`  <LoincName>{0,1}</LoincName>`
	`  <ObservationRequiredInPanel>{0,1}</ObservationRequiredInPanel>`
	`  <EntryType>{0,1}</EntryType>`
	`  <members>{0,1}</members>`
	`  <ConditionForInclusion>{0,1}</ConditionForInclusion>`
	`</loincConcept>`

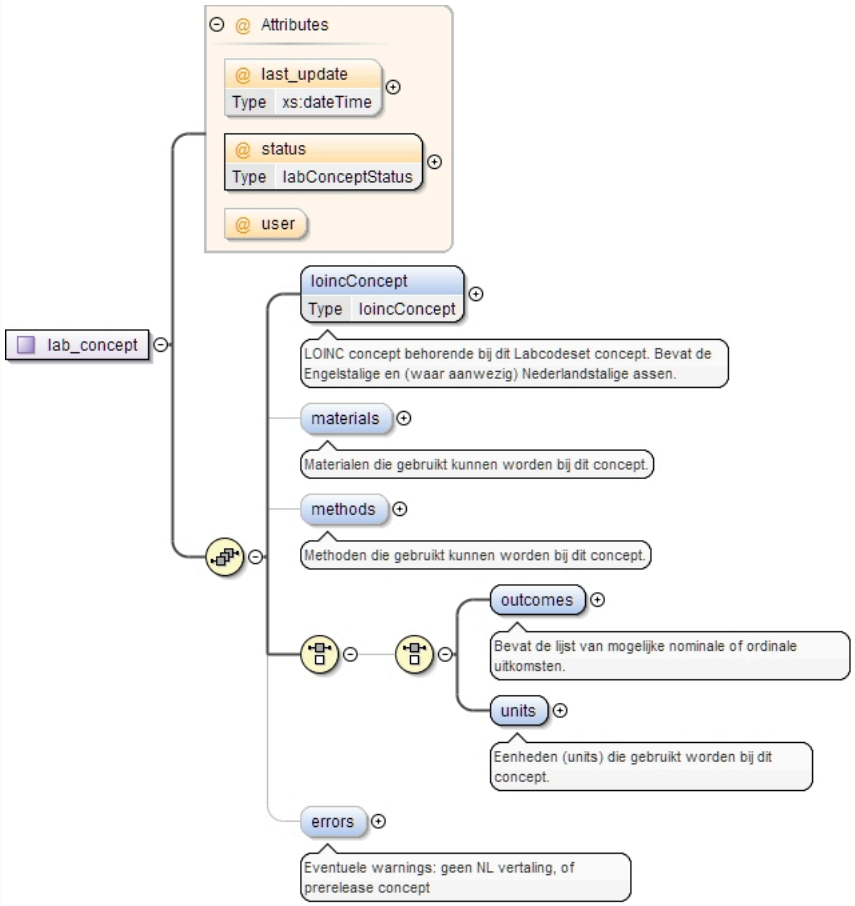
Attributes	**QName** / **Type** / **Use** **loinc_num** / xs:NMTOKEN / required **panelMember** / xs:NCName / optional **status** / xs:NCName / optional **type** / xs:NCName / optional
Source	`<xs:element name="loincConcept" maxOccurs="unbounded" type="panelConcept"/>`

Complex Type(s)

Complex Type `lab_concept`

Namespace	No namespace

Diagram



Used by

Element lab_concepts/lab_concept

Model

loincConcept , materials{0,1} , methods{0,1} , (outcomes | units) , errors{0,1}

Children

errors, loincConcept, materials, methods, outcomes, units

Attributes

QName	Type	Use	
last_update	xs:dateTime	optional	
status	labConceptStatus	required	
user		optional	

Source

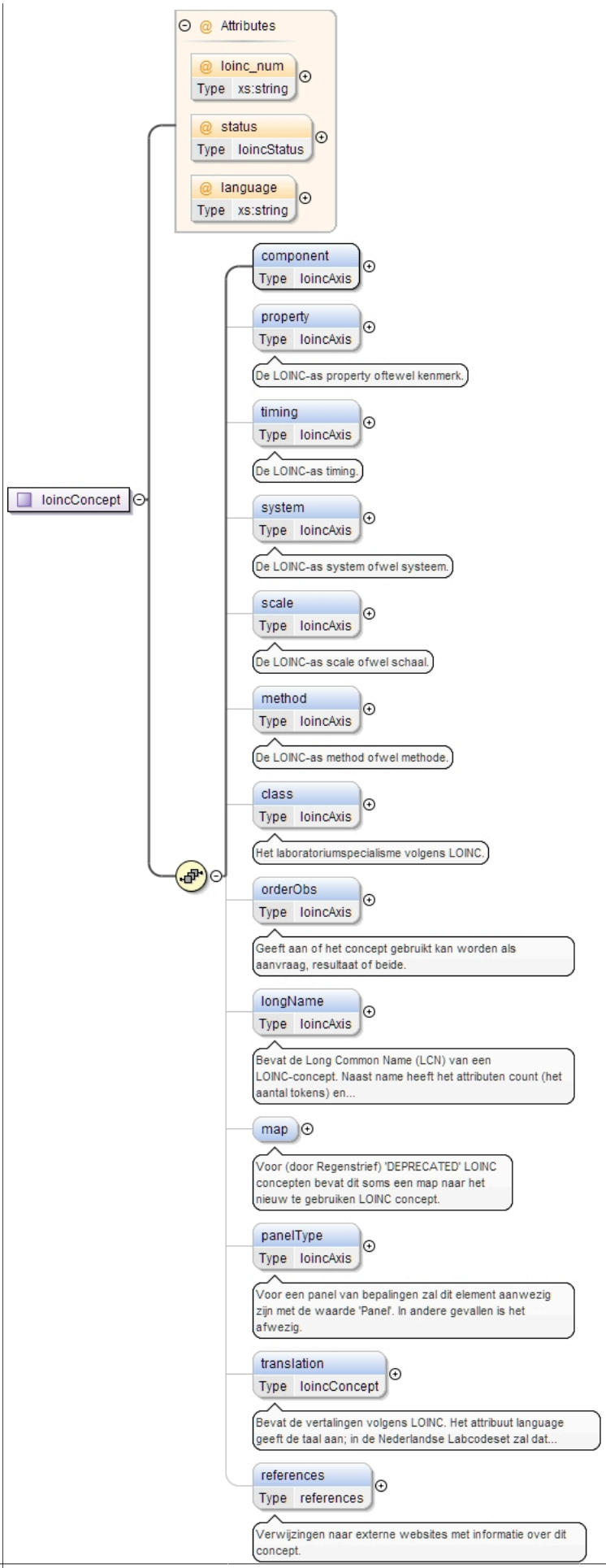
```
<xs:complexType name="lab_concept">
  <xs:sequence>
    <xs:element name="loincConcept" type="loincConcept">
      <xs:annotation>
        <xs:documentation>LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige
 en (waar aanwezig) Nederlandstalige assen.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="materials" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Materialen die gebruikt kunnen worden bij dit concept.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="material" minOccurs="1" maxOccurs="unbounded">
            <xs:annotation>
              <xs:documentation>Verwijst naar een materiaal in de materialenlijst.</
xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:attribute name="ref" type="xs:string" use="required"/>
              <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="methods" minOccurs="0" maxOccurs="1">
```

```
      <xs:annotation>
        <xs:documentation>Methoden die gebruikt kunnen worden bij dit concept.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element name="method" minOccurs="1" maxOccurs="unbounded">
            <xs:annotation>
              <xs:documentation>Verwijst naar een methode in de methodenlijst.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:attribute name="ref" type="xs:string" use="required"/>
              <xs:attribute name="status" type="materialOrMethodStatus" use="required"/>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:choice>
      <xs:choice minOccurs="0" maxOccurs="1">
        <xs:element name="outcomes">
          <xs:annotation>
            <xs:documentation>Bevat de lijst van mogelijke nominale of ordinale uitkomsten.</
xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:choice minOccurs="0">
              <xs:element ref="refset">
                <xs:annotation>
                  <xs:documentation>Verwijst naar een referentieset in SNOMED. U kunt deze vinden in
 de Nederlandse SNOMED-editie met behulp van het gegeven conceptId.</xs:documentation>
                </xs:annotation>
              </xs:element>
              <xs:element name="valueSet">
                <xs:annotation>
                  <xs:documentation>"Verwijst naar de lijst van mogelijke ordinale uitkomsten."</
xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:attribute name="ref" type="xs:string"/>
                </xs:complexType>
              </xs:element>
            </xs:choice>
          </xs:complexType>
        </xs:element>
        <xs:element name="units">
          <xs:annotation>
            <xs:documentation>Eenheden (units) die gebruikt worden bij dit concept.</
xs:documentation>
          </xs:annotation>
          <xs:complexType>
            <xs:sequence>
              <xs:element name="unit">
                <xs:annotation>
                  <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</
xs:documentation>
                </xs:annotation>
                <xs:complexType>
                  <xs:attribute name="ref" type="xs:string"/>
                </xs:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:choice>
    </xs:choice>
    <xs:element name="errors" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Eventuele warnings: geen NL vertaling, of prerelease concept</
xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:any processContents="skip"/>
        </xs:sequence>
        <xs:anyAttribute processContents="skip"/>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="last_update" type="xs:dateTime"/>
  <xs:attribute name="status" use="required" type="labConceptStatus"/>
  <xs:attribute name="user"/>
</xs:complexType>
```

Complex Type `loincConcept`

Namespace	No namespace

Diagram


loincConcept
Attributes
loinc_num
Type xs:string
status
Type loincStatus
language
Type xs:string
component
Type loincAxis
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing.
system
Type loincAxis
De LOINC-as system ofwel systeem.
scale
Type loincAxis
De LOINC-as scale ofwel schaal.
method
Type loincAxis
De LOINC-as method ofwel methode.
class
Type loincAxis
Het laboratoriumspecialisme volgens LOINC.
orderObs
Type loincAxis
Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.
longName
Type loincAxis
Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft het attributen count (het aantal tokens) en...
map
Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een map naar het nieuw te gebruiken LOINC concept.
panelType
Type loincAxis
Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.
translation
Type loincConcept
Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan; in de Nederlandse Labcodeset zal dat...
references
Type references
Verwijzingen naar externe websites met informatie over dit concept.

Used by	Elements lab_concept/loincConcept, loincConcept/translation
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map{0,1} , panelType{0,1} , translation{0,1} , references{0,1}
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation

Attributes

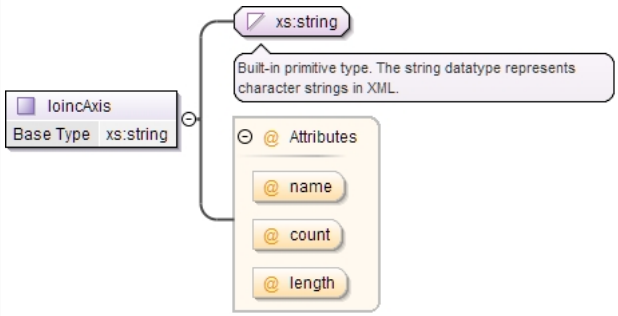
QName	Type	Use	
language	xs:string	optional	
loinc_num	xs:string	optional	
status	loincStatus	optional	

Source

```
<xs:complexType name="loincConcept">
  <xs:sequence>
    <xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation/>
      </xs:annotation>
    </xs:element>
    <xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as property oftewel kenmerk.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="timing" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as timing.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="system" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as system ofwel systeem.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as scale ofwel schaal.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as method ofwel methode.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Het laboratoriumspecialisme volgens LOINC.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="orderObs" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of
beide.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="longName" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Bevat de Long Common Name (LCN) van een LOINC-concept. Naast name heeft
het attributen count (het aantal tokens) en length (de totale lengte). Dit is de naam waarmee een
LOINC-concept getoond dient te worden.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="map" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Voor (door Regenstrief) 'DEPRECATED' LOINC concepten bevat dit soms een
map naar het nieuw te gebruiken LOINC concept.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:attribute name="from"/>
        <xs:attribute name="to"/>
        <xs:attribute name="comment"/>
      </xs:complexType>
    </xs:element>
    <xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde
'Panel'. In andere gevallen is het afwezig.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="translation" type="loincConcept" minOccurs="0">
```

```
      <xs:annotation>
        <xs:documentation>Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal
 aan; in de Nederlandse Labcodeset zal dat nl-NL zijn.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="references" type="references" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Verwijzingen naar externe websites met informatie over dit concept.</
xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="loinc_num" type="xs:string" use="optional"/>
  <xs:attribute name="status" type="loincStatus" use="optional"/>
  <xs:attribute name="language" type="xs:string" use="optional"/>
</xs:complexType>
```

Complex Type `loincAxis`

Namespace	No namespace
Diagram	
Type	extension of xs:string
Used by	Elements loincConcept/class, loincConcept/component, loincConcept/longName, loincConcept/method, loincConcept/orderObs, loincConcept/panelType, loincConcept/property, loincConcept/scale, loincConcept/system, loincConcept/timing
Attributes	**QName** / **Type** / **Use** **count** / / optional **length** / / optional **name** / / optional

Source	`<xs:complexType name="loincAxis">`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:string">`
	`  <xs:attribute name="name" use="optional"/>`
	`  <xs:attribute name="count" use="optional"/>`
	`  <xs:attribute name="length" use="optional"/>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`</xs:complexType>`

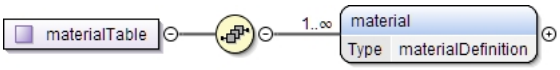
Complex Type `references`

Namespace	No namespace
Diagram	
Used by	Elements loincConcept/references, materialDefinition/references
Model	a*
Children	a

Source	`<xs:complexType name="references">`
	`  <xs:sequence>`
	`  <xs:element name="a" minOccurs="0" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:anyURI">`
	`  <xs:attribute name="href" type="xs:anyURI"/>`
	`  </xs:extension>`

```
        </xs:simpleContent>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

Complex Type `materialTable`

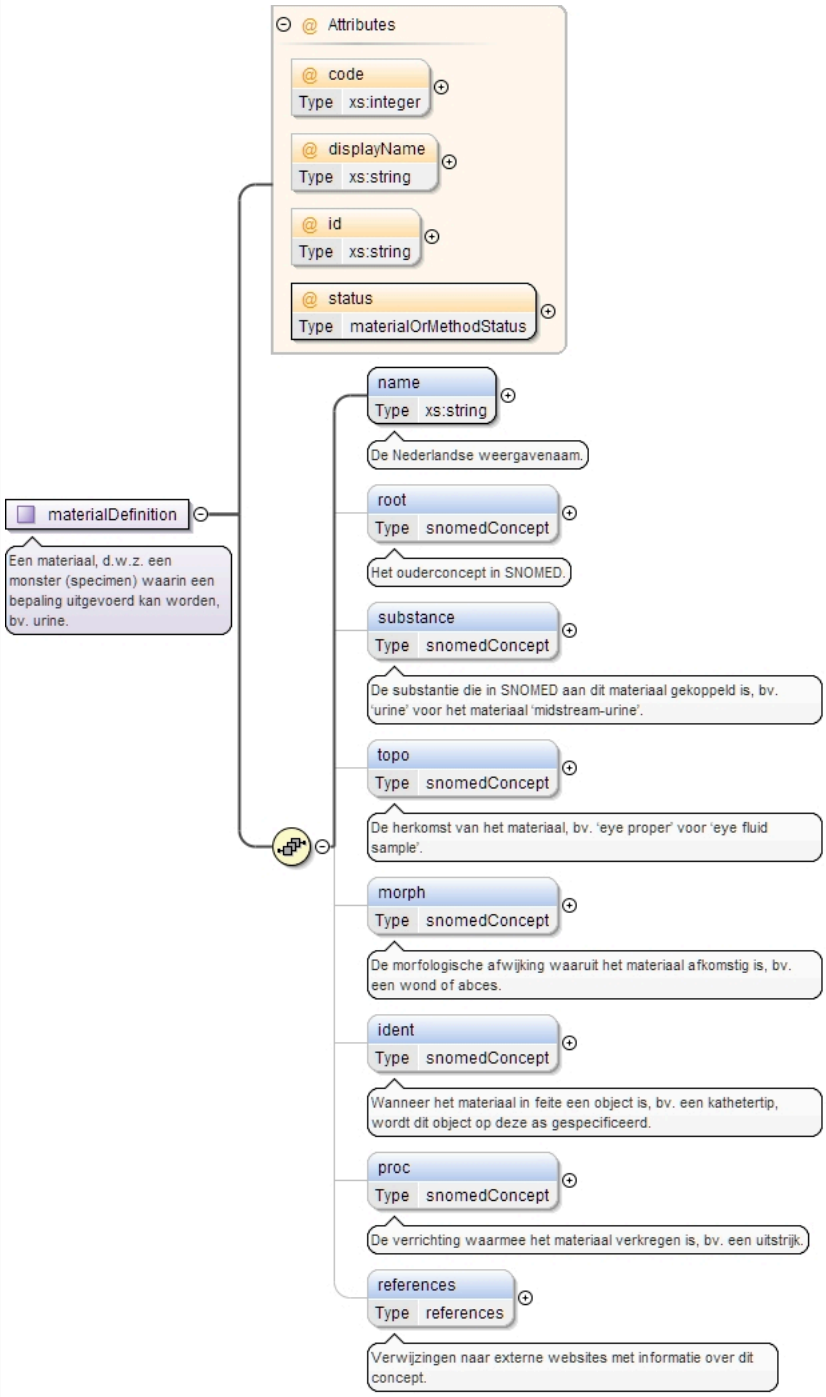
Namespace	No namespace
Diagram	
Used by	Element publication/materials
Model	material+
Children	material

Source	`<xs:complexType name="materialTable">`
	`  <xs:sequence>`
	`  <xs:element name="material" type="materialDefinition" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `materialDefinition`

Namespace	No namespace
Annotations	Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd kan worden, bv. urine.

Diagram



Used by

Element materialTable/material

Model

name , root{0,1} , substance{0,1} , topo{0,1} , morph{0,1} , ident{0,1} , proc{0,1} , references{0,1}

Children

ident, morph, name, proc, references, root, substance, topo

Attributes

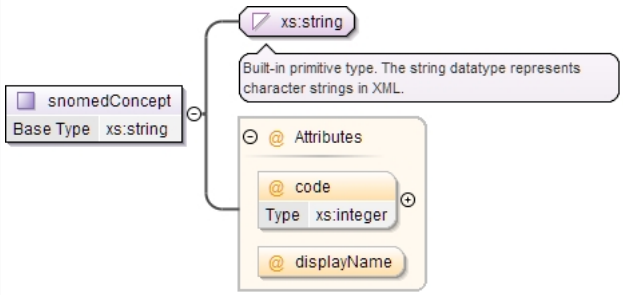
QName	Type	Use	
code	xs:integer	optional	
displayName	xs:string	optional	
id	xs:string	optional	
status	materialOrMethodStatus	required	

Source

```
<xs:complexType name="materialDefinition">
  <xs:annotation>
    <xs:documentation>Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd
 kan worden, bv. urine.</xs:documentation>
  </xs:annotation>
```

```
  <xs:sequence>
    <xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De Nederlandse weergavenaam.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="root" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Het ouderconcept in SNOMED.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="substance" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De substantie die in SNOMED aan dit materiaal gekoppeld is, bv. ‘urine’
 voor het materiaal ‘midstream-urine’.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="topo" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De herkomst van het materiaal, bv. ‘eye proper’ voor ‘eye fluid sample’.</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="morph" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De morfologische afwijking waaruit het materiaal afkomstig is, bv. een
 wond of abces.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ident" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt
 dit object op deze as gespecificeerd.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="proc" type="snomedConcept" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De verrichting waarmee het materiaal verkregen is, bv. een uitstrijk.</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="references" type="references" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Verwijzingen naar externe websites met informatie over dit concept.</
xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="code" type="xs:integer"/>
  <xs:attribute name="displayName" type="xs:string"/>
  <xs:attribute name="id" type="xs:string"/>
  <xs:attribute name="status" use="required" type="materialOrMethodStatus"/>
</xs:complexType>
```

Complex Type snomedConcept

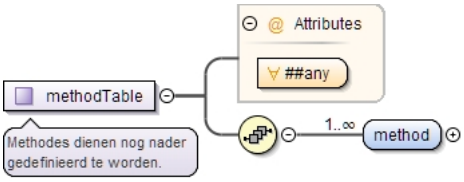
Namespace	No namespace
Diagram	
Type	extension of xs:string
Used by	Elements: materialDefinition/ident, materialDefinition/morph, materialDefinition/proc, materialDefinition/root, materialDefinition/substance, materialDefinition/topo

Attributes

QName	Type	Use	
code	xs:integer	optional	
displayName		optional	

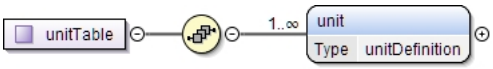
Source	`<xs:complexType name="snomedConcept">`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:string">`
	`  <xs:attribute name="code" type="xs:integer"/>`
	`  <xs:attribute name="displayName"/>`
	`  </xs:extension>`
	`  </xs:simpleContent>`
	`</xs:complexType>`

Complex Type `methodTable`

Namespace	No namespace
Annotations	`Methodes dienen nog nader gedefinieerd te worden.`
Diagram	
Used by	Element publication/methods
Model	method+
Children	method
Attributes	**Wildcard:** ANY attribute from ANY namespace

Source	`<xs:complexType name="methodTable">`
	`  <xs:annotation>`
	`  <xs:documentation>Methodes dienen nog nader gedefinieerd te worden.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="method" maxOccurs="unbounded">`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:any processContents="skip" maxOccurs="unbounded"/>`
	`  </xs:sequence>`
	`  <xs:attribute name="id" type="xs:integer"/>`
	`  <xs:attribute name="status" type="xs:NCName"/>`
	`  </xs:complexType>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  <xs:anyAttribute/>`
	`</xs:complexType>`

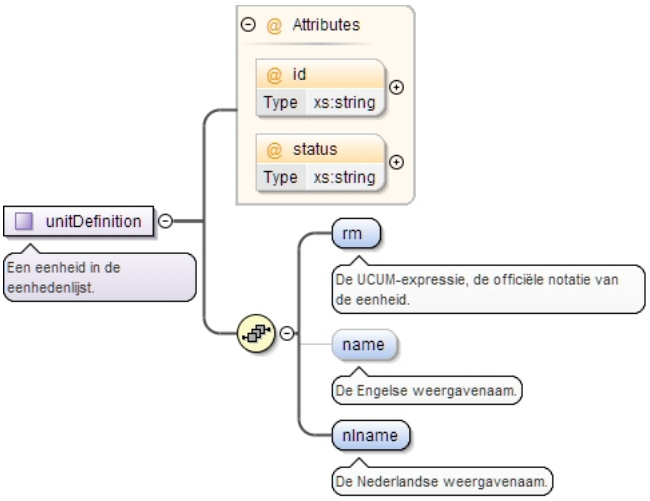
Complex Type `unitTable`

Namespace	No namespace
Diagram	
Used by	Element publication/units
Model	unit+
Children	unit

Source	`<xs:complexType name="unitTable">`
	`  <xs:sequence>`
	`  <xs:element name="unit" maxOccurs="unbounded" type="unitDefinition"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `unitDefinition`

Namespace	No namespace
Annotations	`Een eenheid in de eenhedenlijst.`

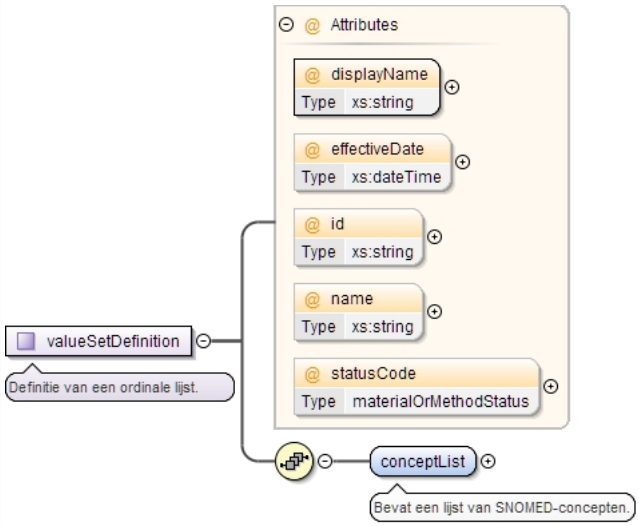
Diagram	
Used by	Element unitTable/unit
Model	rm , name{0,1} , nlname
Children	name, nlname, rm
Attributes	**QName** / **Type** / **Use** **id** / xs:string / optional **status** / xs:string / optional

Source	`<xs:complexType name="unitDefinition">`
	`  <xs:annotation>`
	`  <xs:documentation>Een eenheid in de eenhedenlijst.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="rm" minOccurs="1" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De UCUM-expressie, de officiële notatie van de eenheid.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="name" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De Engelse weergavenaam.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  <xs:element name="nlname" minOccurs="1" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De Nederlandse weergavenaam.</xs:documentation>`
	`  </xs:annotation>`
	`  </xs:element>`
	`  </xs:sequence>`
	`  <xs:attribute name="id" type="xs:string"/>`
	`  <xs:attribute name="status" type="xs:string"/>`
	`</xs:complexType>`

Complex Type `valueSetDefinition`

Namespace	No namespace
Annotations	`Definitie van een ordinale lijst.`

Diagram



Used by

Element ordinals/valueSet

Model

conceptList

Children

conceptList

Attributes

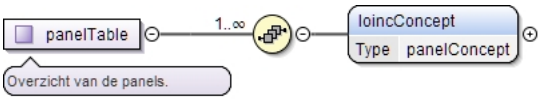
QName	Type	Use	
displayName	xs:string	required	
effectiveDate	xs:dateTime	optional	
id	xs:string	optional	
name	xs:string	optional	
statusCode	materialOrMethodStatus	optional	

Source

```
<xs:complexType name="valueSetDefinition">
  <xs:annotation>
    <xs:documentation>Definitie van een ordinale lijst.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="conceptList" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Bevat een lijst van SNOMED-concepten.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element maxOccurs="unbounded" name="concept">
            <xs:annotation>
              <xs:documentation>Verwijst naar een SNOMED-concept.</xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:sequence>
                <xs:element name="desc">
                  <xs:complexType>
                    <xs:simpleContent>
                      <xs:extension base="xs:string">
                        <xs:attribute name="language"/>
                      </xs:extension>
                    </xs:simpleContent>
                  </xs:complexType>
                </xs:element>
              </xs:sequence>
              <xs:attribute name="code" type="xs:string" use="required">
                <xs:annotation>
                  <xs:documentation>Het SNOMED-id</xs:documentation>
                </xs:annotation>
              </xs:attribute>
              <xs:attribute name="codeSystem" type="xs:string" use="required">
                <xs:annotation>
                  <xs:documentation>De OID van het terminologiestelsel (in dit geval altijd
 SNOMED).</xs:documentation>
                </xs:annotation>
              </xs:attribute>
              <xs:attribute name="codeSystemName" type="xs:string" use="optional">
                <xs:annotation>
                  <xs:documentation>De OID van het terminologiestelsel (in dit geval SNOMED CT).</
xs:documentation>
```

```
                  </xs:annotation>
                </xs:attribute>
                <xs:attribute name="displayName" type="xs:string" use="required">
                  <xs:annotation>
                    <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>
                  </xs:annotation>
                </xs:attribute>
                <xs:attribute name="level" type="xs:string" use="optional">
                  <xs:annotation>
                    <xs:documentation>In geneste value sets wordt hiermee het niveau aangegeven. De
 Labcodeset bevat geen geneste value sets, dus is level altijd 0.</xs:documentation>
                  </xs:annotation>
                </xs:attribute>
                <xs:attribute name="type" type="xs:string" use="optional">
                  <xs:annotation>
                    <xs:documentation>Geeft aan of het een knoop of een blad (L) betreft – in de
 Labcodeset bevatten de value sets alleen bladeren.</xs:documentation>
                  </xs:annotation>
                </xs:attribute>
              </xs:complexType>
            </xs:element>
          </xs:sequence>
        </xs:complexType>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="displayName" use="required" type="xs:string"/>
    <xs:attribute name="effectiveDate" type="xs:dateTime"/>
    <xs:attribute name="id" type="xs:string"/>
    <xs:attribute name="name" type="xs:string"/>
    <xs:attribute name="statusCode" type="materialOrMethodStatus"/>
  </xs:complexType>
```

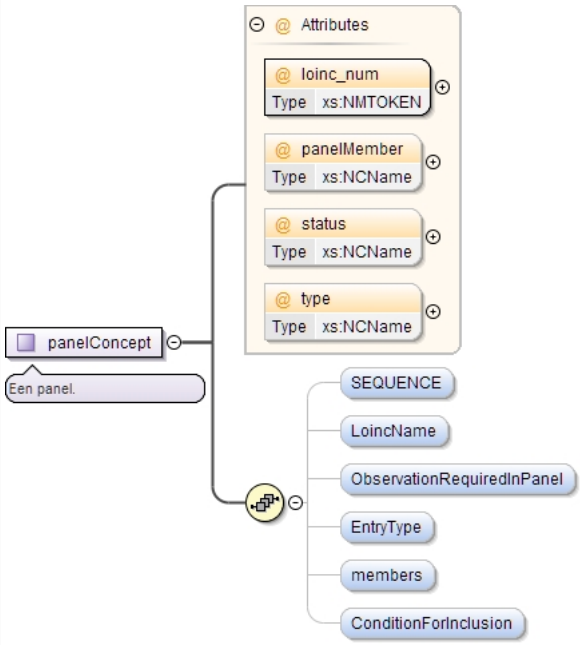
Complex Type `panelTable`

Namespace	No namespace
Annotations	Overzicht van de panels.
Diagram	
Used by	Element publication/panels
Model	loincConcept
Children	loincConcept

Source	`<xs:complexType name="panelTable">`
	`  <xs:annotation>`
	`  <xs:documentation>Overzicht van de panels.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence maxOccurs="unbounded">`
	`  <xs:element name="loincConcept" type="panelConcept"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `panelConcept`

Namespace	No namespace
Annotations	Een panel.

Diagram	
Used by	Elements members/loincConcept, panelTable/loincConcept
Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , EntryType{0,1} , members{0,1} , ConditionForInclusion{0,1}
Children	ConditionForInclusion, EntryType, LoincName, ObservationRequiredInPanel, SEQUENCE, members

Attributes

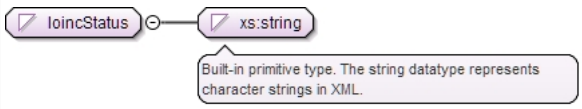
QName	Type	Use	
loinc_num	xs:NMTOKEN	required	
panelMember	xs:NCName	optional	
status	xs:NCName	optional	
type	xs:NCName	optional	

Source

```
<xs:complexType name="panelConcept">
  <xs:annotation>
    <xs:documentation>Een panel.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="SEQUENCE" minOccurs="0"/>
    <xs:element name="LoincName" minOccurs="0"/>
    <xs:element name="ObservationRequiredInPanel" minOccurs="0"/>
    <xs:element name="EntryType" minOccurs="0"/>
    <xs:element name="members" minOccurs="0"/>
    <xs:element minOccurs="0" name="ConditionForInclusion"/>
  </xs:sequence>
  <xs:attribute name="loinc_num" use="required" type="xs:NMTOKEN"/>
  <xs:attribute name="panelMember" type="xs:NCName"/>
  <xs:attribute name="status" type="xs:NCName"/>
  <xs:attribute name="type" type="xs:NCName"/>
</xs:complexType>
```

Simple Type(s)

Simple Type `loincStatus`

Namespace	No namespace
Diagram	
Type	restriction of xs:string

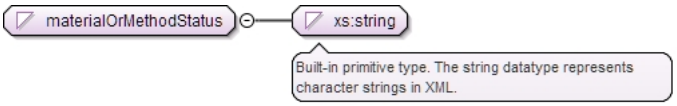
Facets

enumeration	`ACTIVE`
enumeration	`DEPRECATED`

Used by	Attribute loincConcept/@status

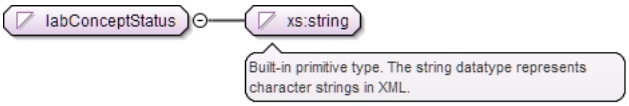
Source	`<xs:simpleType name="loincStatus">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="ACTIVE"/>`
	`  <xs:enumeration value="DEPRECATED"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `materialOrMethodStatus`

Namespace	No namespace
Diagram	
Type	restriction of xs:string
Facets	enumeration `draft` enumeration `active` enumeration `final`
Used by	Attributes lab_concept/materials/material/@status, lab_concept/methods/method/@status, materialDefinition/@status, valueSetDefinition/@statusCode

Source	`<xs:simpleType name="materialOrMethodStatus">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="draft"/>`
	`  <xs:enumeration value="active"/>`
	`  <xs:enumeration value="final"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Simple Type `labConceptStatus`

Namespace	No namespace
Diagram	
Type	restriction of xs:string
Facets	enumeration `active` enumeration `retired`
Used by	Attribute lab_concept/@status

Source	`<xs:simpleType name="labConceptStatus">`
	`  <xs:restriction base="xs:string">`
	`  <xs:enumeration value="active"/>`
	`  <xs:enumeration value="retired"/>`
	`  </xs:restriction>`
	`</xs:simpleType>`

Attribute(s)

Attribute `desc / @language`

Namespace	No namespace
Type	xs:NCName
Properties	content: `simple`
Used by	Element desc
Source	`<xs:attribute name="language" type="xs:NCName"/>`

Attribute `loincAxis / @name`

Namespace	No namespace
Properties	use: `optional`

Used by	Complex Type	loincAxis
Source	`<xs:attribute name="name" use="optional"/>`	

Attribute loincAxis / @count

Namespace	No namespace	
Properties	use:	optional
Used by	Complex Type	loincAxis
Source	`<xs:attribute name="count" use="optional"/>`	

Attribute loincAxis / @length

Namespace	No namespace	
Properties	use:	optional
Used by	Complex Type	loincAxis
Source	`<xs:attribute name="length" use="optional"/>`	

Attribute loincConcept / map / @from

Namespace	No namespace	
Used by	Element	loincConcept/map
Source	`<xs:attribute name="from"/>`	

Attribute loincConcept / map / @to

Namespace	No namespace	
Used by	Element	loincConcept/map
Source	`<xs:attribute name="to"/>`	

Attribute loincConcept / map / @comment

Namespace	No namespace	
Used by	Element	loincConcept/map
Source	`<xs:attribute name="comment"/>`	

Attribute references / a / @href

Namespace	No namespace	
Type	xs:anyURI	
Properties	content:	simple
Used by	Element	references/a
Source	`<xs:attribute name="href" type="xs:anyURI"/>`	

Attribute loincConcept / @loinc_num

Namespace	No namespace	
Type	xs:string	
Properties	use:	optional
Used by	Complex Type	loincConcept
Source	`<xs:attribute name="loinc_num" type="xs:string" use="optional"/>`	

Attribute loincConcept / @status

Namespace	No namespace
Type	loincStatus

Properties	use:	optional
Facets	enumeration	ACTIVE
	enumeration	DEPRECATED
Used by	Complex Type	loincConcept
Source	`<xs:attribute name="status" type="loincStatus" use="optional"/>`	

Attribute loincConcept / @language

Namespace	No namespace	
Type	xs:string	
Properties	use:	optional
Used by	Complex Type	loincConcept
Source	`<xs:attribute name="language" type="xs:string" use="optional"/>`	

Attribute lab_concept / materials / material / @ref

Namespace	No namespace	
Type	xs:string	
Properties	use:	required
Used by	Element	lab_concept/materials/material
Source	`<xs:attribute name="ref" type="xs:string" use="required"/>`	

Attribute lab_concept / materials / material / @status

Namespace	No namespace	
Type	materialOrMethodStatus	
Properties	use:	required
Facets	enumeration	draft
	enumeration	active
	enumeration	final
Used by	Element	lab_concept/materials/material
Source	`<xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`	

Attribute lab_concept / methods / method / @ref

Namespace	No namespace	
Type	xs:string	
Properties	use:	required
Used by	Element	lab_concept/methods/method
Source	`<xs:attribute name="ref" type="xs:string" use="required"/>`	

Attribute lab_concept / methods / method / @status

Namespace	No namespace	
Type	materialOrMethodStatus	
Properties	use:	required
Facets	enumeration	draft
	enumeration	active
	enumeration	final
Used by	Element	lab_concept/methods/method

Source	`<xs:attribute name="status" type="materialOrMethodStatus" use="required"/>`

Attribute `refset / @conceptId`

Namespace	No namespace
Type	xs:integer
Properties	use: `required`
Used by	Element refset
Source	`<xs:attribute name="conceptId" use="required" type="xs:integer"/>`

Attribute `refset / @preferredTerm`

Namespace	No namespace
Properties	use: `required`
Used by	Element refset
Source	`<xs:attribute name="preferredTerm" use="required"/>`

Attribute `refset / @src`

Namespace	No namespace
Type	xs:anyURI
Properties	use: `required`
Used by	Element refset
Source	`<xs:attribute name="src" use="required" type="xs:anyURI"/>`

Attribute `lab_concept / outcomes / valueSet / @ref`

Namespace	No namespace
Type	xs:string
Properties	content: `simple`
Used by	Element lab_concept/outcomes/valueSet
Source	`<xs:attribute name="ref" type="xs:string"/>`

Attribute `lab_concept / units / unit / @ref`

Namespace	No namespace
Type	xs:string
Properties	content: `simple`
Used by	Element lab_concept/units/unit
Source	`<xs:attribute name="ref" type="xs:string"/>`

Attribute `lab_concept / @last_update`

Namespace	No namespace
Type	xs:dateTime
Properties	content: `simple`
Used by	Complex Type lab_concept
Source	`<xs:attribute name="last_update" type="xs:dateTime"/>`

Attribute `lab_concept / @status`

Namespace	No namespace
Type	labConceptStatus

Properties	use:	required
Facets	enumeration	active
	enumeration	retired
Used by	Complex Type	lab_concept
Source	`<xs:attribute name="status" use="required" type="labConceptStatus"/>`	

Attribute lab_concept / @user

Namespace	No namespace
Used by	Complex Type lab_concept
Source	`<xs:attribute name="user"/>`

Attribute snomedConcept / @code

Namespace	No namespace	
Type	xs:integer	
Properties	content:	simple
Used by	Complex Type	snomedConcept
Source	`<xs:attribute name="code" type="xs:integer"/>`	

Attribute snomedConcept / @displayName

Namespace	No namespace
Used by	Complex Type snomedConcept
Source	`<xs:attribute name="displayName"/>`

Attribute materialDefinition / @code

Namespace	No namespace	
Type	xs:integer	
Properties	content:	simple
Used by	Complex Type	materialDefinition
Source	`<xs:attribute name="code" type="xs:integer"/>`	

Attribute materialDefinition / @displayName

Namespace	No namespace	
Type	xs:string	
Properties	content:	simple
Used by	Complex Type	materialDefinition
Source	`<xs:attribute name="displayName" type="xs:string"/>`	

Attribute materialDefinition / @id

Namespace	No namespace	
Type	xs:string	
Properties	content:	simple
Used by	Complex Type	materialDefinition
Source	`<xs:attribute name="id" type="xs:string"/>`	

Attribute materialDefinition / @status

Namespace	No namespace

Type	materialOrMethodStatus	
Properties	use:	required
Facets	enumeration	draft
	enumeration	active
	enumeration	final
Used by	Complex Type	materialDefinition
Source	`<xs:attribute name="status" use="required" type="materialOrMethodStatus"/>`	

Attribute methodTable / method / @id

Namespace	No namespace	
Type	xs:integer	
Properties	content:	simple
Used by	Element	methodTable/method
Source	`<xs:attribute name="id" type="xs:integer"/>`	

Attribute methodTable / method / @status

Namespace	No namespace	
Type	xs:NCName	
Properties	content:	simple
Used by	Element	methodTable/method
Source	`<xs:attribute name="status" type="xs:NCName"/>`	

Attribute unitDefinition / @id

Namespace	No namespace	
Type	xs:string	
Properties	content:	simple
Used by	Complex Type	unitDefinition
Source	`<xs:attribute name="id" type="xs:string"/>`	

Attribute unitDefinition / @status

Namespace	No namespace	
Type	xs:string	
Properties	content:	simple
Used by	Complex Type	unitDefinition
Source	`<xs:attribute name="status" type="xs:string"/>`	

Attribute valueSetDefinition / conceptList / concept / desc / @language

Namespace	No namespace	
Used by	Element	valueSetDefinition/conceptList/concept/desc
Source	`<xs:attribute name="language"/>`	

Attribute valueSetDefinition / conceptList / concept / @code

Namespace	No namespace	
Annotations	Het SNOMED-id	
Type	xs:string	
Properties	use:	required

Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="code" type="xs:string" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>Het SNOMED-id</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute valueSetDefinition / conceptList / concept / @codeSystem

Namespace	No namespace
Annotations	De OID van het terminologiestelsel (in dit geval altijd SNOMED).
Type	xs:string
Properties	use: required
Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="codeSystem" type="xs:string" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>De OID van het terminologiestelsel (in dit geval altijd SNOMED).</`
	`xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute valueSetDefinition / conceptList / concept / @codeSystemName

Namespace	No namespace
Annotations	De OID van het terminologiestelsel (in dit geval SNOMED CT).
Type	xs:string
Properties	use: optional
Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="codeSystemName" type="xs:string" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>De OID van het terminologiestelsel (in dit geval SNOMED CT).</`
	`xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute valueSetDefinition / conceptList / concept / @displayName

Namespace	No namespace
Annotations	De fully specified name volgens SNOMED
Type	xs:string
Properties	use: required
Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="displayName" type="xs:string" use="required">`
	`  <xs:annotation>`
	`  <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute valueSetDefinition / conceptList / concept / @level

Namespace	No namespace
Annotations	In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset bevat geen geneste value sets, dus is level altijd 0.
Type	xs:string
Properties	use: optional
Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="level" type="xs:string" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset bevat`
	` geen geneste value sets, dus is level altijd 0.</xs:documentation>`
	`  </xs:annotation>`

```
</xs:attribute>
```

Attribute valueSetDefinition / conceptList / concept / @type

Namespace	No namespace
Annotations	Geeft aan of het een knoop of een blad (L) betreft – in de Labcodeset bevatten de value sets alleen bladeren.
Type	xs:string
Properties	use: optional
Used by	Element valueSetDefinition/conceptList/concept

Source	`<xs:attribute name="type" type="xs:string" use="optional">`
	`  <xs:annotation>`
	`  <xs:documentation>Geeft aan of het een knoop of een blad (L) betreft – in de Labcodeset bevatten de value sets alleen bladeren.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:attribute>`

Attribute valueSetDefinition / @displayName

Namespace	No namespace
Type	xs:string
Properties	use: required
Used by	Complex Type valueSetDefinition
Source	`<xs:attribute name="displayName" use="required" type="xs:string"/>`

Attribute valueSetDefinition / @effectiveDate

Namespace	No namespace
Type	xs:dateTime
Properties	content: simple
Used by	Complex Type valueSetDefinition
Source	`<xs:attribute name="effectiveDate" type="xs:dateTime"/>`

Attribute valueSetDefinition / @id

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Complex Type valueSetDefinition
Source	`<xs:attribute name="id" type="xs:string"/>`

Attribute valueSetDefinition / @name

Namespace	No namespace
Type	xs:string
Properties	content: simple
Used by	Complex Type valueSetDefinition
Source	`<xs:attribute name="name" type="xs:string"/>`

Attribute valueSetDefinition / @statusCode

Namespace	No namespace
Type	materialOrMethodStatus
Properties	content: simple
Facets	enumeration draft

	enumeration	`active`
	enumeration	`final`
Used by	Complex Type	valueSetDefinition
Source	`<xs:attribute name="statusCode" type="materialOrMethodStatus"/>`	

Attribute `panelConcept / @loinc_num`

Namespace	No namespace	
Type	xs:NMTOKEN	
Properties	use:	`required`
Used by	Complex Type	panelConcept
Source	`<xs:attribute name="loinc_num" use="required" type="xs:NMTOKEN"/>`	

Attribute `panelConcept / @panelMember`

Namespace	No namespace	
Type	xs:NCName	
Properties	content:	`simple`
Used by	Complex Type	panelConcept
Source	`<xs:attribute name="panelMember" type="xs:NCName"/>`	

Attribute `panelConcept / @status`

Namespace	No namespace	
Type	xs:NCName	
Properties	content:	`simple`
Used by	Complex Type	panelConcept
Source	`<xs:attribute name="status" type="xs:NCName"/>`	

Attribute `panelConcept / @type`

Namespace	No namespace	
Type	xs:NCName	
Properties	content:	`simple`
Used by	Complex Type	panelConcept
Source	`<xs:attribute name="type" type="xs:NCName"/>`	

Attribute `publication / @effectiveDate`

Namespace	No namespace	
Type	xs:string	
Properties	use:	`required`
Used by	Element	publication
Source	`<xs:attribute name="effectiveDate" use="required" type="xs:string"/>`	

Attribute `publication / @user`

Namespace	No namespace	
Type	xs:string	
Properties	use:	`optional`
Used by	Element	publication

Source	`<xs:attribute name="user" use="optional" type="xs:string"/>`

Attribute `publication / @type`

Namespace	No namespace
Type	xs:string
Properties	use: `optional`
Used by	Element publication
Source	`<xs:attribute name="type" use="optional" type="xs:string"/>`