Schema documentation for labcodeset.xsd

october 7, 2020

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Attribute unitDefinition / @status 56
Attribute valueSetDefinition / conceptList / concept / desc / @language 56
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Attribute publication / @user 59
Attribute publication / @type 59

Namespace: ""

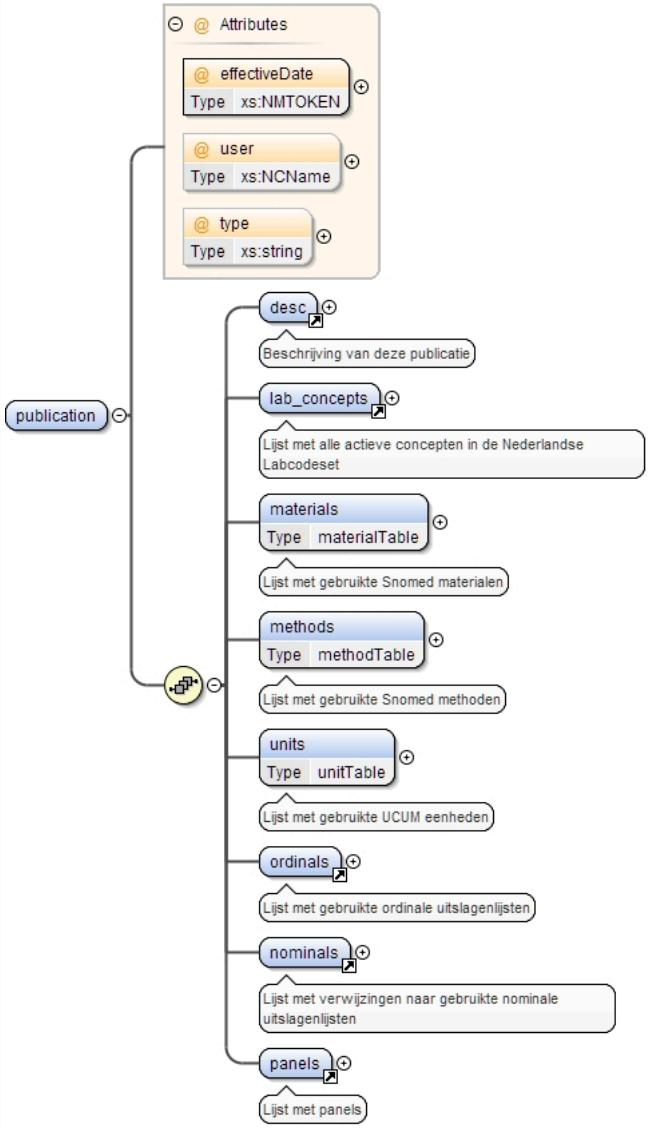
Schema(s)

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:NMTOKEN	required	
type	xs:string	optional	
user	xs:NCName	optional	

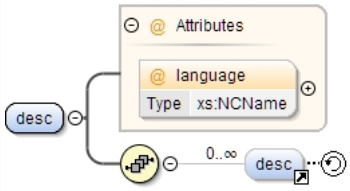
Source

```
<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 ref="panels">
        <xs:annotation>
          <xs:documentation>Lijst met panels</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
    <xs:attribute name="effectiveDate" use="required" type="xs:NMTOKEN"/>
    <xs:attribute name="user" use="optional" type="xs:NCName"/>
    <xs:attribute name="type" use="optional" type="xs:string"/>
  </xs:complexType>
</xs:element>
```

Element desc

Namespace: No namespace

Diagram



Properties

content: complex

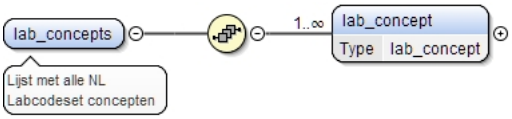
	mixed:	`true`
Used by	Elements	desc, publication
Model	desc*	
Children	desc	

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`

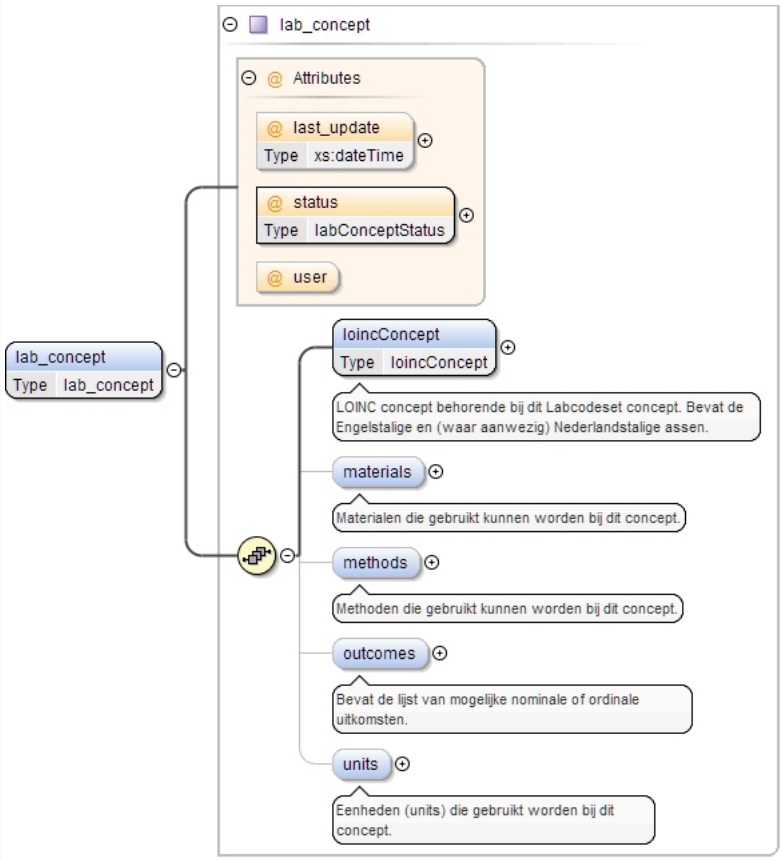
Namespace	No namespace
Annotations	`Lijst met alle NL Labcodeset concepten`
Diagram	
Properties	content: `complex`
Used by	Element publication
Model	lab_concept+
Children	lab_concept

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{0,1} , units{0,1}
Children	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>{0,1}</outcomes>`
	`  <units>{0,1}</units>`
	`</lab_concept>`

Attributes

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

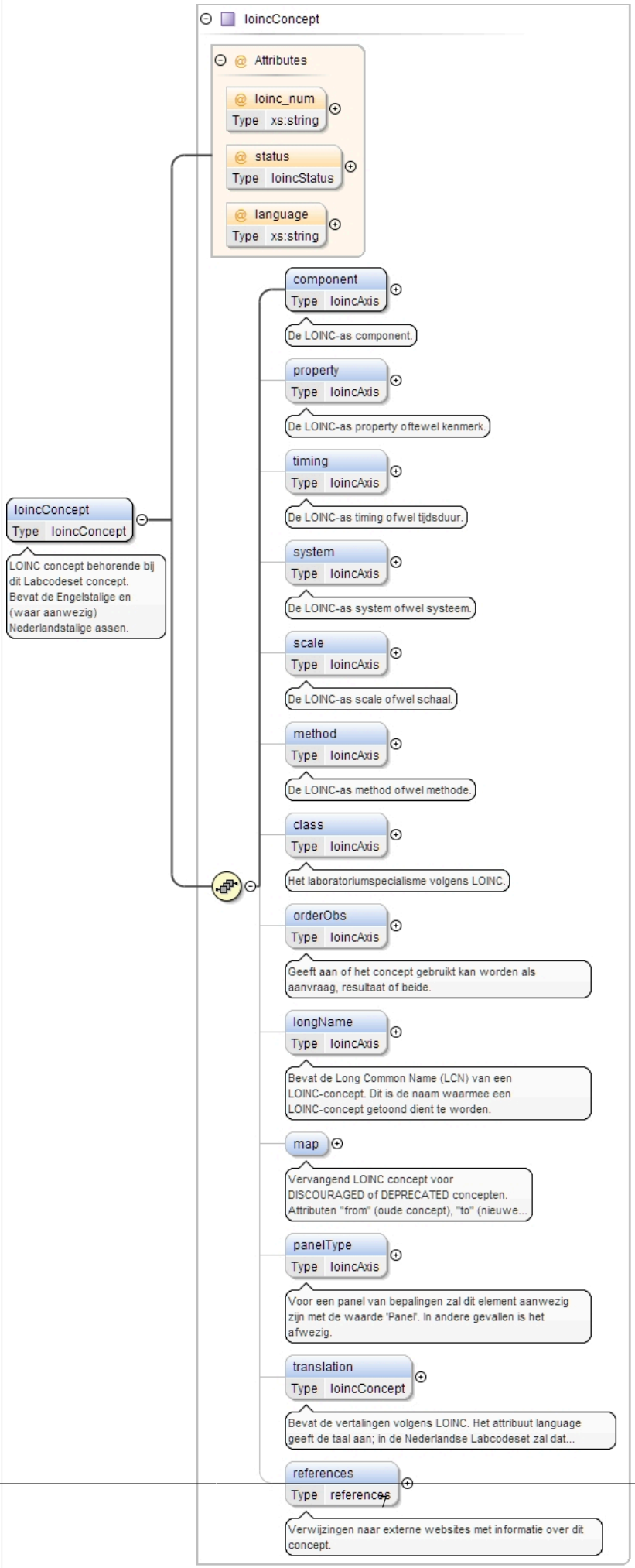
Source

```
<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
Type loincConcept
LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.
loincConcept
Attributes
loinc_num
Type xs:string
status
Type loincStatus
language
Type xs:string
component
Type loincAxis
De LOINC-as component.
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing ofwel tijdsduur.
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. Dit is de naam waarmee een LOINC-concept getoond dient te worden.
map
Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten. Attributen "from" (oude concept), "to" (nieuwe...
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.

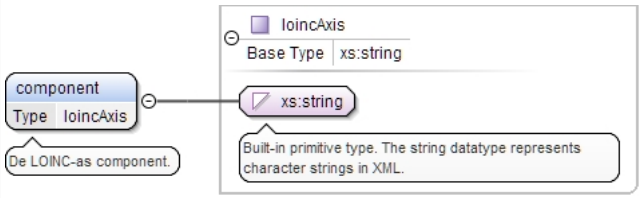
Type	loincConcept
Properties	content: complex
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map{0,1} , panelType{0,1} , translation{0,1} , references{0,1}
Children	class, component, longName, map, method, orderObs,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

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

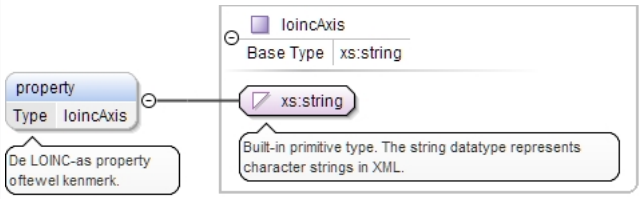
Source	`<xs:element name="loincConcept" type="loincConcept">`
	`  <xs:annotation>`
	`  <xs:documentation>LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / component

Namespace	No namespace
Annotations	De LOINC-as component.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 1 maxOccurs: 1

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

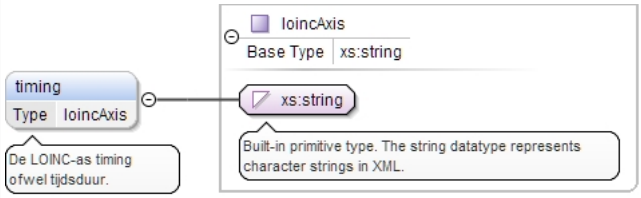
Element loincConcept / property

Namespace	No namespace
Annotations	De LOINC-as property oftewel kenmerk.
Diagram	

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

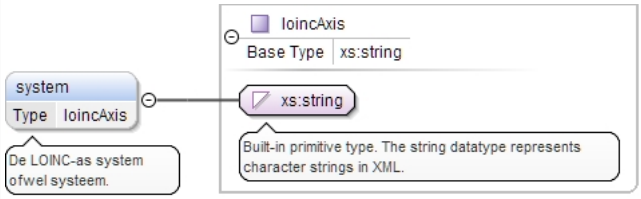
Source	`<xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as property oftewel kenmerk.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / timing

Namespace	No namespace
Annotations	De LOINC-as timing ofwel tijdsduur.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

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

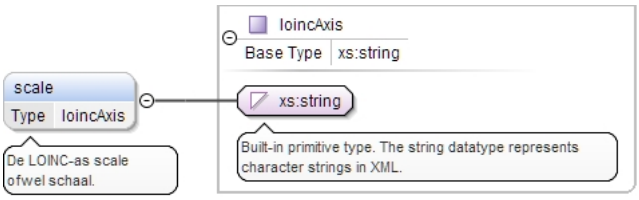
Element loincConcept / system

Namespace	No namespace
Annotations	De LOINC-as system ofwel systeem.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

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>`

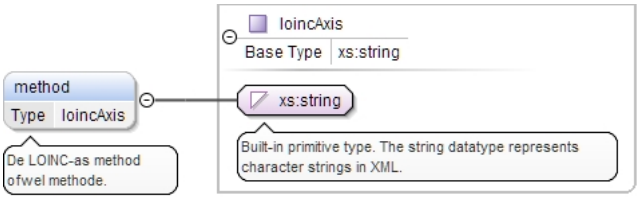
Element loincConcept / scale

Namespace	No namespace
Annotations	De LOINC-as scale ofwel schaal.

Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

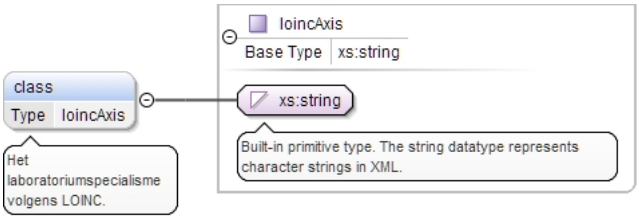
Source	`<xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as scale ofwel schaal.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / method

Namespace	No namespace
Annotations	De LOINC-as method ofwel methode.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

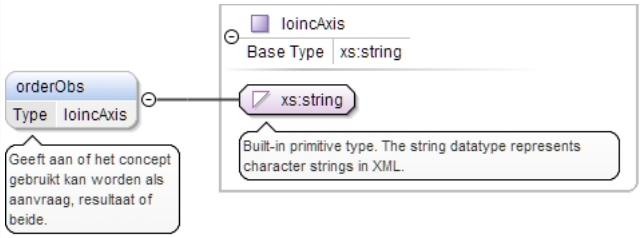
Source	`<xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>De LOINC-as method ofwel methode.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element loincConcept / class

Namespace	No namespace
Annotations	Het laboratoriumspecialisme volgens LOINC.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

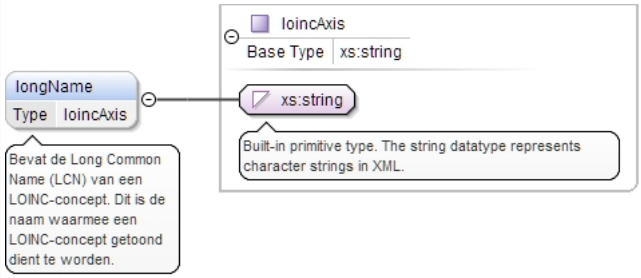
Source	`<xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Het laboratoriumspecialisme volgens LOINC.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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

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>`

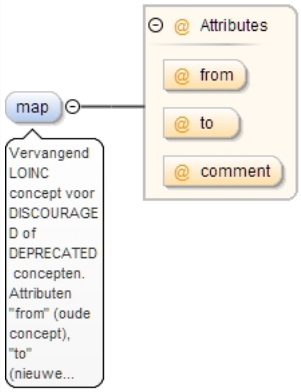
Element loincConcept / longName

Namespace	No namespace
Annotations	Bevat de Long Common Name (LCN) van een LOINC-concept. Dit is de naam waarmee een LOINC-concept getoond dient te worden.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 0 maxOccurs: 1

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. Dit is de naam waarmee een LOINC-concept getoond dient te worden.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

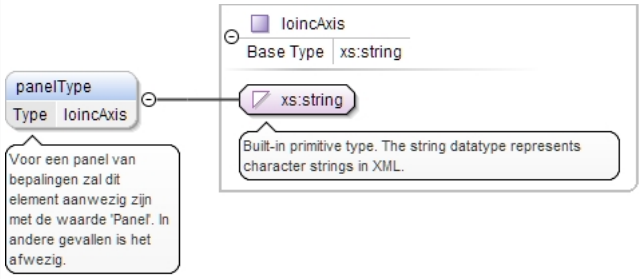
Element loincConcept / map

Namespace	No namespace
Annotations	Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten. Attributen "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).

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>Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten. Attributen "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).</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`

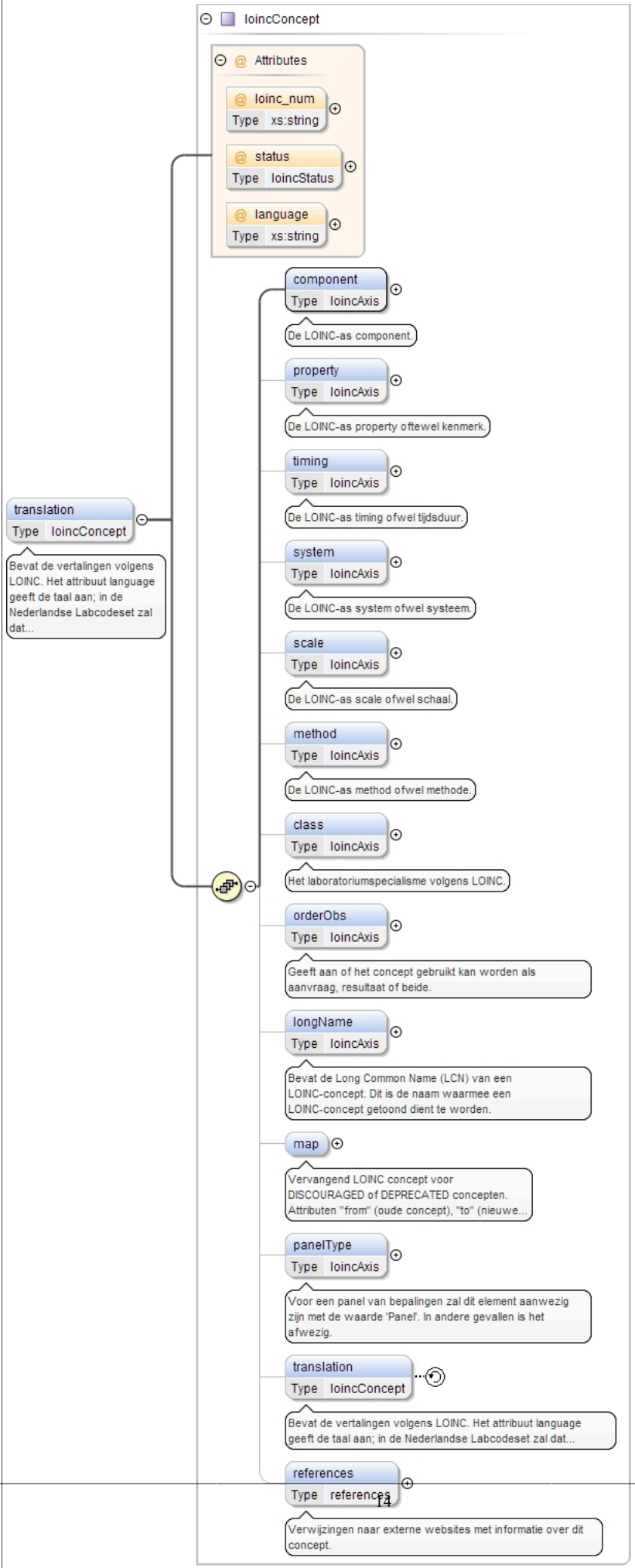
Source	`<xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

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
De LOINC-as component.
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing ofwel tijdsduur.
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. Dit is de naam waarmee een LOINC-concept getoond dient te worden.
map
Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten. Attributen "from" (oude concept), "to" (nieuwe...
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.

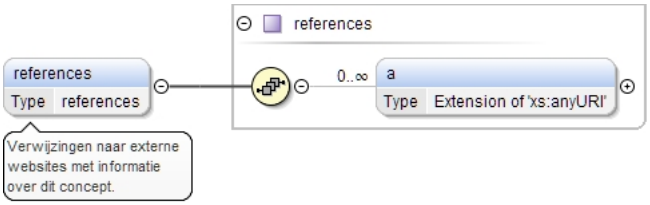
Type	loincConcept
Properties	content: complex minOccurs: 0
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map{0,1} , panelType{0,1} , translation{0,1} , references{0,1}
Children	class, component, longName, map, method,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

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

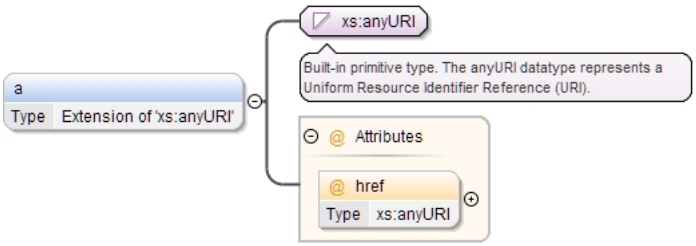
Namespace	No namespace
Annotations	Verwijzingen naar externe websites met informatie over dit concept.
Diagram	
Type	references
Properties	content: complex minOccurs: 0
Model	a*
Children	a

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>`

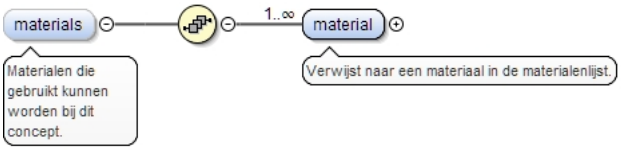
Element references / a

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

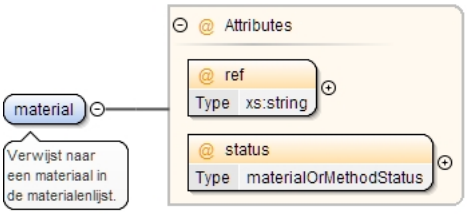
Namespace	No namespace
Annotations	Materialen die gebruikt kunnen worden bij dit concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	material+
Children	material

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>`

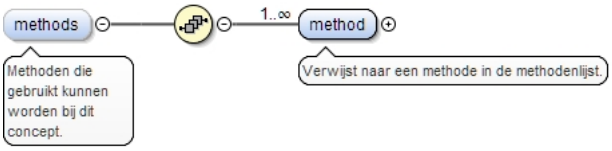
Element lab_concept / materials / material

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

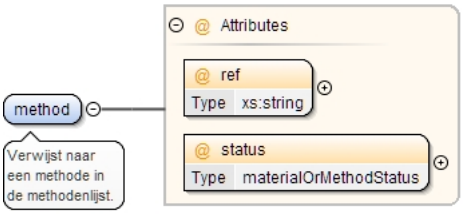
Namespace	No namespace
Annotations	Methoden die gebruikt kunnen worden bij dit concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	method+
Children	method

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

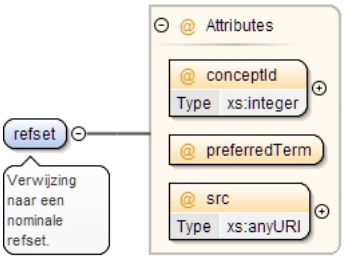
Namespace	No namespace
Annotations	Bevat de lijst van mogelijke nominale of ordinale uitkomsten.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	refset | valueSet
Children	refset, valueSet

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

Source	`<xs:element name="outcomes" minOccurs="0" maxOccurs="1">`
	`  <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

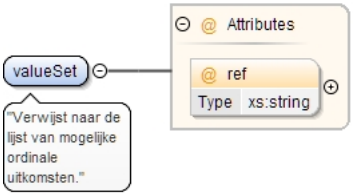
Attributes

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

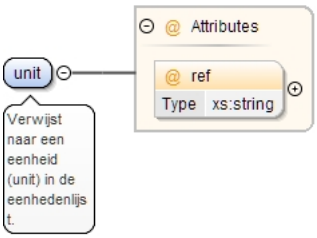
Namespace	No namespace

Annotations	Eenheden (units) die gebruikt worden bij dit concept.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	unit
Children	unit

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

Source	`<xs:element name="units" minOccurs="0" maxOccurs="1">`
	`  <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>`

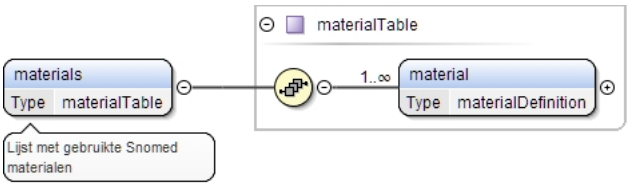
Element lab_concept / units / unit

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 publication / materials

Namespace	No namespace
Annotations	Lijst met gebruikte Snomed materialen

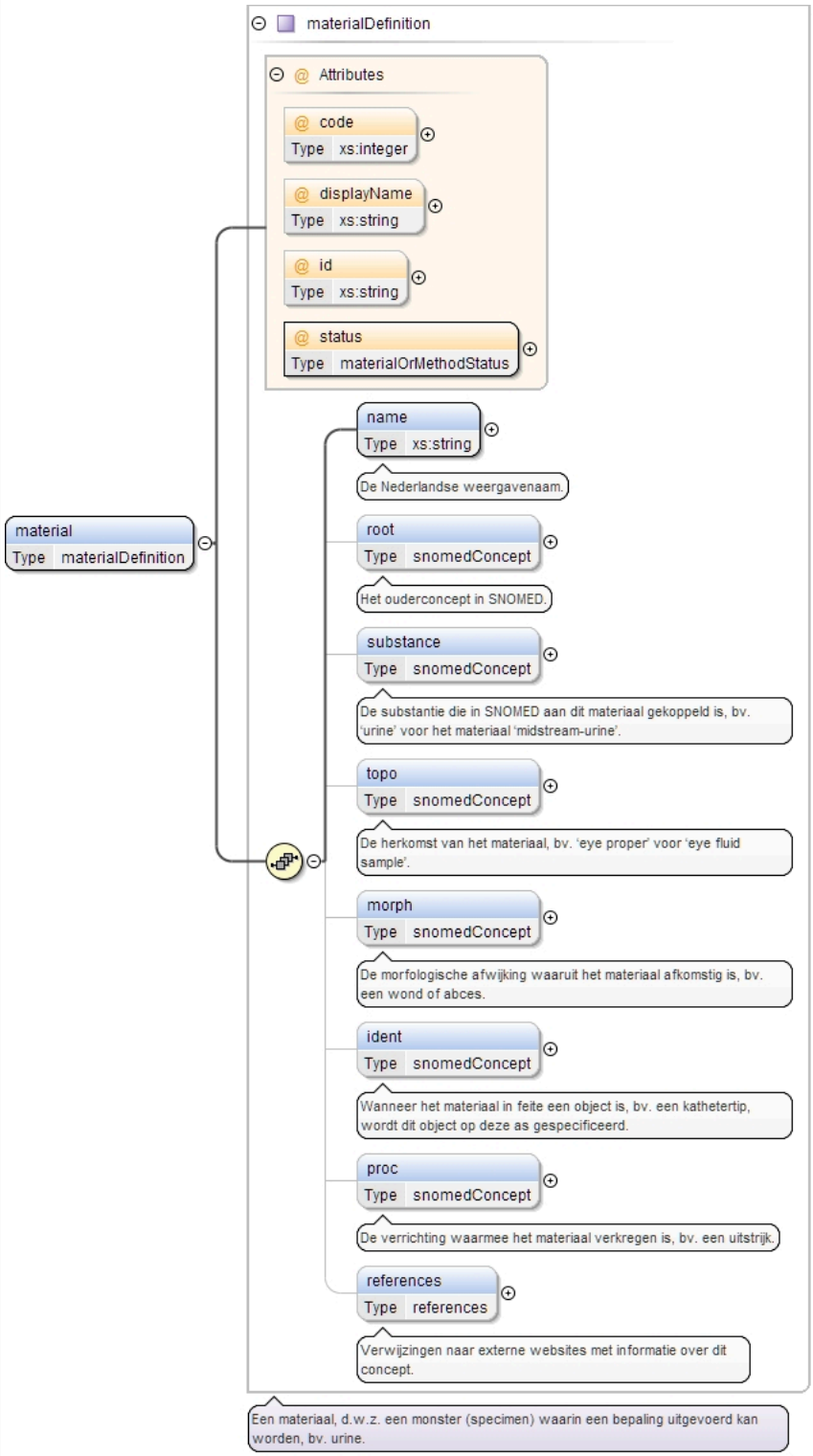
Diagram	
Type	materialTable
Properties	content: complex
Model	material+
Children	material

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

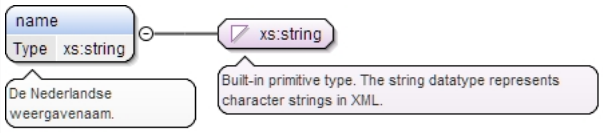
```
<xs:element name="material" type="materialDefinition" maxOccurs="unbounded"/>
```

Element `materialDefinition / name`

Namespace: No namespace

Annotations: `De Nederlandse weergavenaam.`

Diagram



Type: xs:string

Properties

content:	`simple`
minOccurs:	`1`
maxOccurs:	`1`

Source

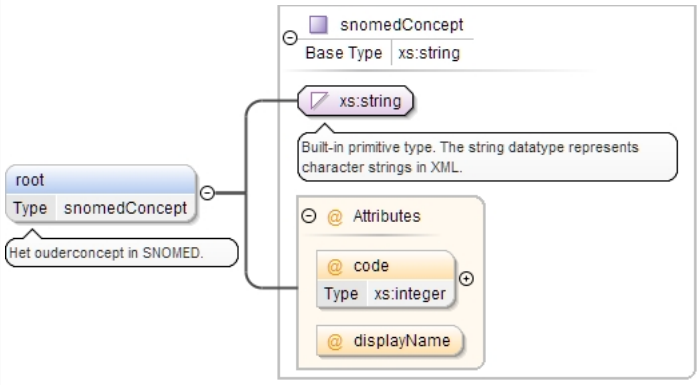
```
<xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De Nederlandse weergavenaam.</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element `materialDefinition / root`

Namespace: No namespace

Annotations: `Het ouderconcept in SNOMED.`

Diagram



Type: snomedConcept

Properties

content:	`complex`
minOccurs:	`0`
maxOccurs:	`1`

Attributes

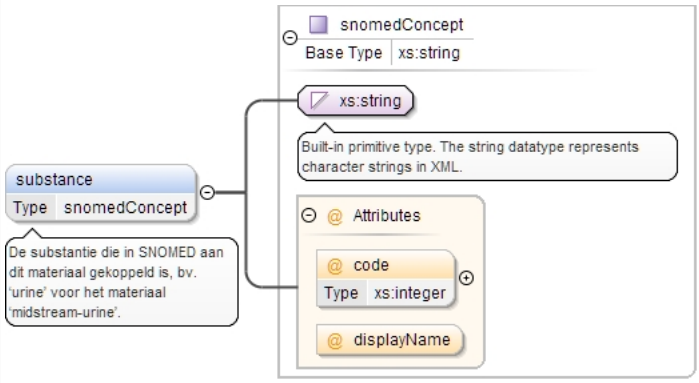
QName	Type	Use	
code	xs:integer	optional	
displayName		optional	

Source

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

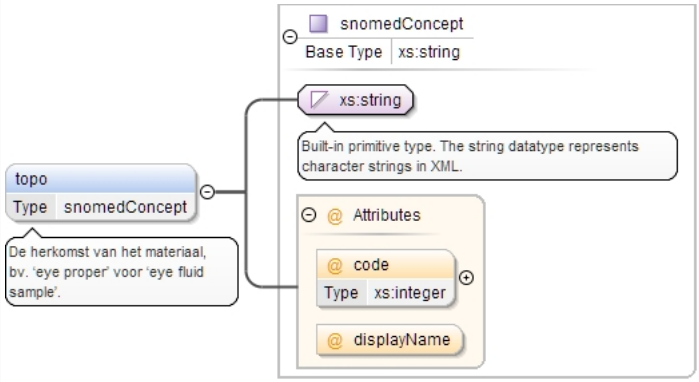
```
  </xs:annotation>
</xs:element>
```

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

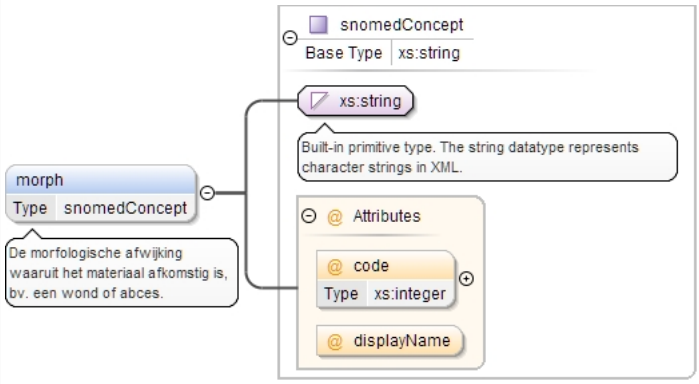
```
<xs:element name="topo" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De herkomst van het materiaal, bv. ‘eye proper’ voor ‘eye fluid sample’.</
xs:documentation>
  </xs:annotation>
</xs:element>
```

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

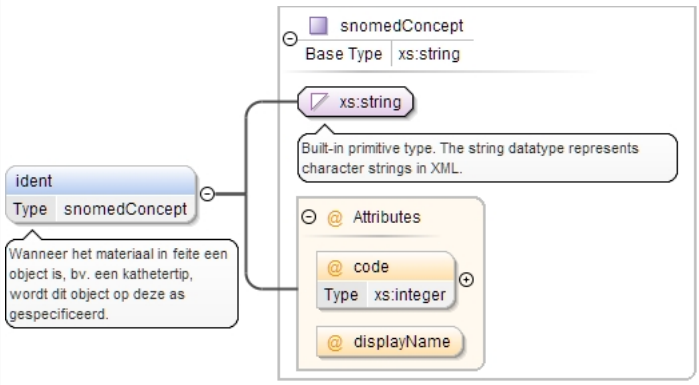
```
<xs:element name="morph" type="snomedConcept" minOccurs="0" maxOccurs="1">
  <xs:annotation>
    <xs:documentation>De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of
 abces.</xs:documentation>
  </xs:annotation>
</xs:element>
```

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	

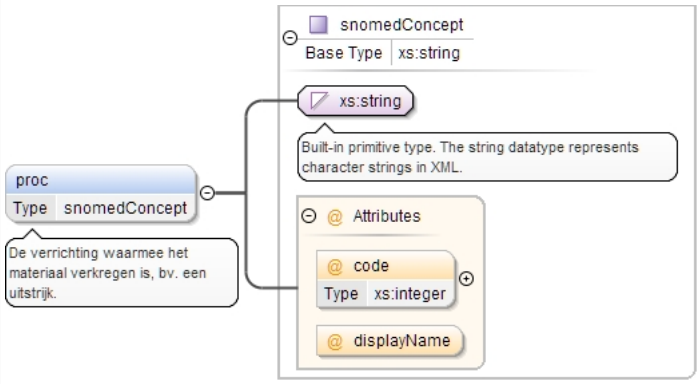
Source

```
<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	

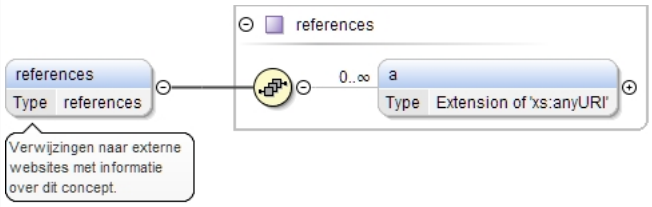
Source

```
<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



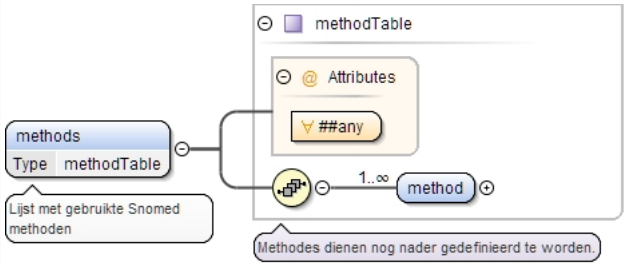
Type	references
Properties	content: `complex`
	minOccurs: 0

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`

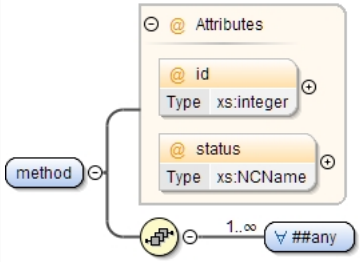
Namespace	No namespace
Annotations	`Lijst met gebruikte Snomed methoden`
Diagram	
Type	methodTable
Properties	content: `complex`
Model	method+
Children	method

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`

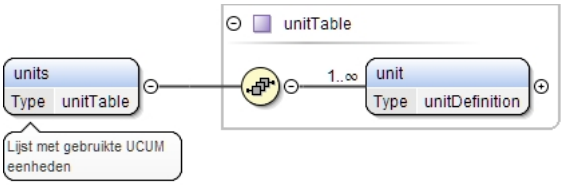
Namespace	No namespace
Diagram	
Properties	content: `complex` maxOccurs: `unbounded`
Model	ANY element from ANY namespace
Attributes	

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>
```

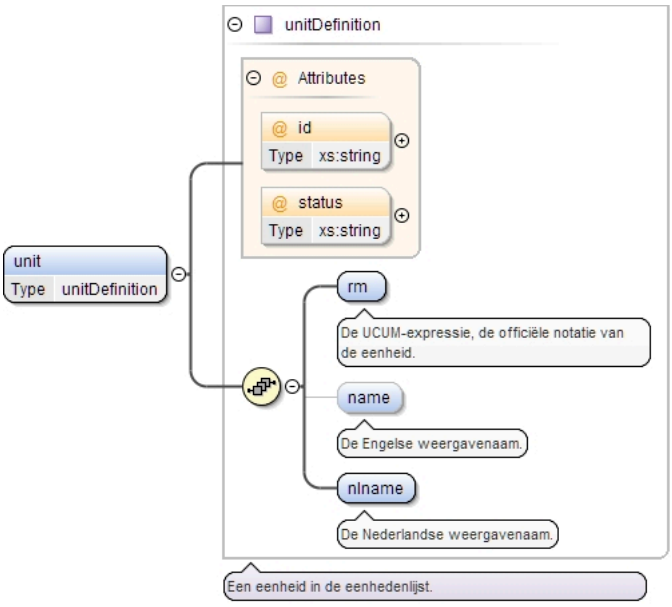
Element publication / units

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	

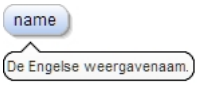
Source	`<xs:element name="unit" maxOccurs="unbounded" type="unitDefinition"/>`

Element `unitDefinition / rm`

Namespace	No namespace
Annotations	De UCUM-expressie, de officiële notatie van de eenheid.
Diagram	
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	
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>`

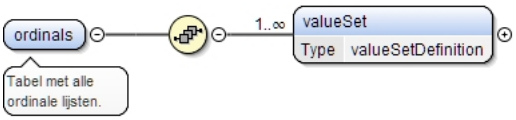
Element `unitDefinition / nlname`

Namespace	No namespace
Annotations	De Nederlandse weergavenaam.
Diagram	
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`

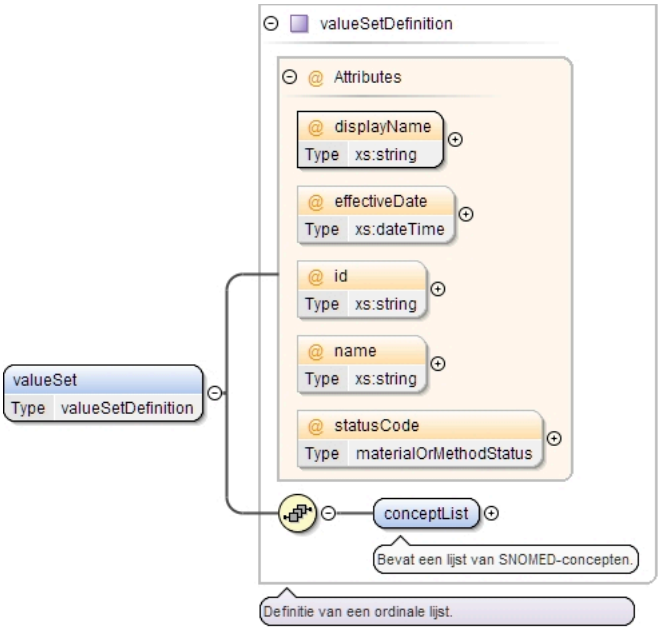
Namespace	No namespace

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	

	QName	Type	Use	
	name	xs:string	optional	
	statusCode	materialOrMethodStatus	optional	

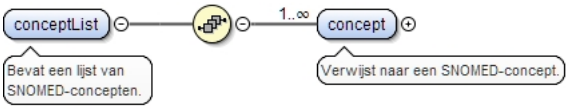
Source
```
<xs:element maxOccurs="unbounded" name="valueSet" type="valueSetDefinition"/>
```

Element `valueSetDefinition / conceptList`

Namespace: No namespace

Annotations: `Bevat een lijst van SNOMED-concepten.`

Diagram



Properties

content:	complex
minOccurs:	1
maxOccurs:	1

Model: concept+

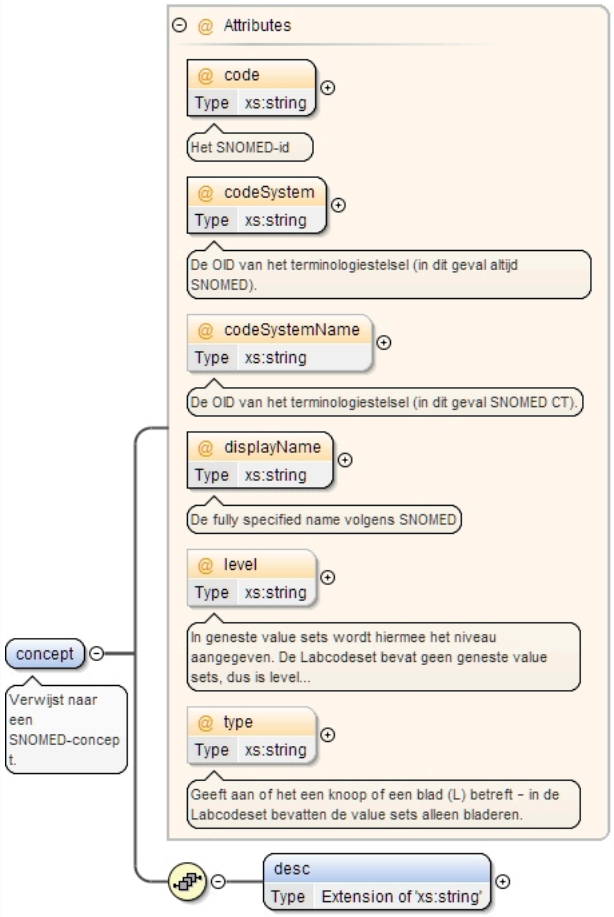
Children: concept

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	

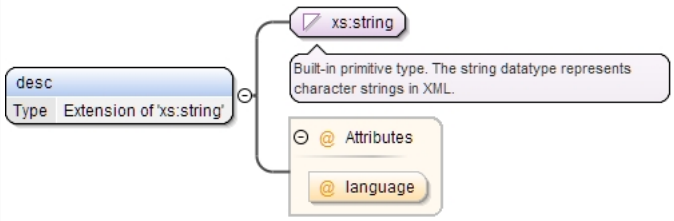
QName	Type	Use	
code	xs:string	required	
	`Het SNOMED-id`		
codeSystem	xs:string	required	
	`De OID van het terminologiestelsel (in dit geval altijd SNOMED).`		
codeSystemName	xs:string	optional	
	`De OID van het terminologiestelsel (in dit geval SNOMED CT).`		

QName	Type	Use	
displayName	xs:string	required	
	De fully specified name volgens SNOMED		
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`

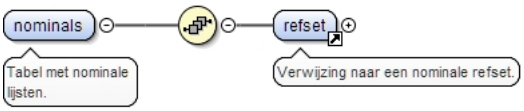
Namespace	No namespace
Diagram	
Type	extension of xs:string

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

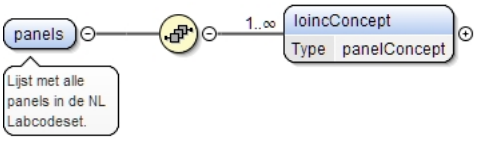
Instance

```
<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 panels

Namespace	No namespace
Annotations	Lijst met alle panels in de NL Labcodeset.
Diagram	
Properties	content: complex
Used by	Element publication
Model	loincConcept+
Children	loincConcept

Instance

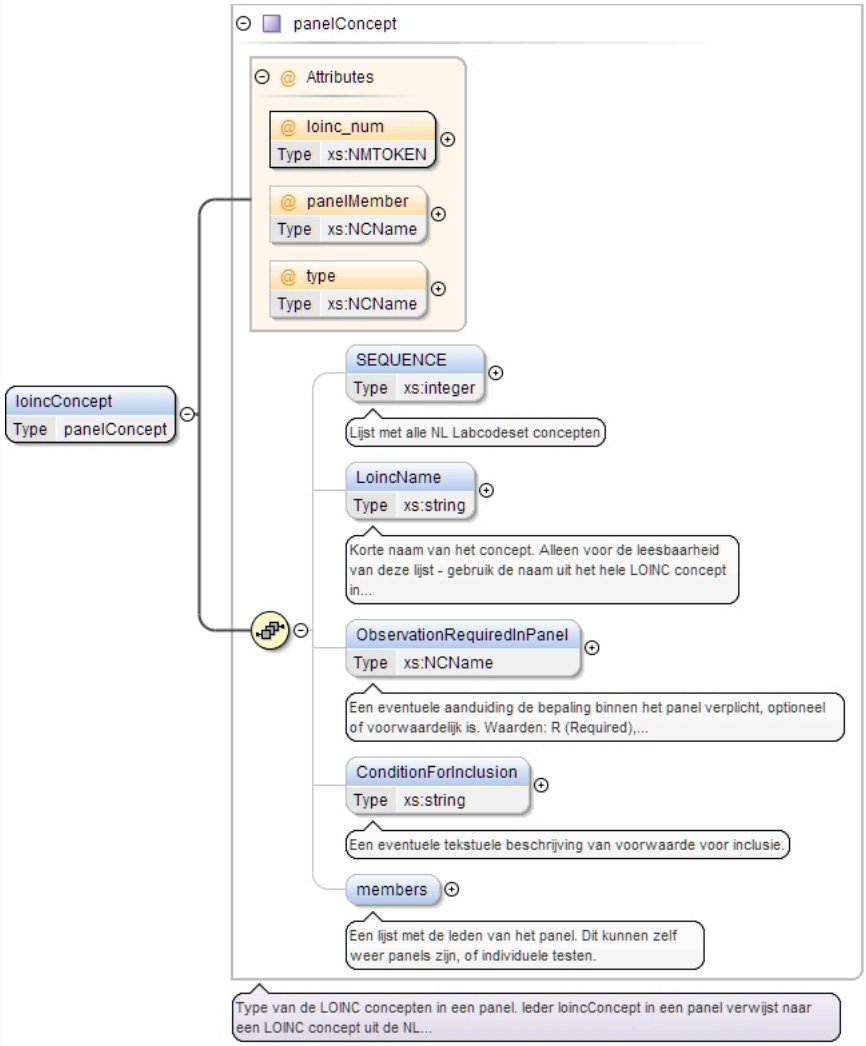
```
<panels>
  <loincConcept loinc_num="" panelMember="" type="">{1,unbounded}</loincConcept>
</panels>
```

Source

```
<xs:element name="panels">
  <xs:annotation>
    <xs:documentation>Lijst met alle panels in de NL Labcodeset.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
```

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

Element panels / loincConcept

Namespace	No namespace
Diagram	
Type	panelConcept
Properties	content: complex maxOccurs: unbounded
Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , ConditionForInclusion{0,1} , members{0,1}
Children	ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members

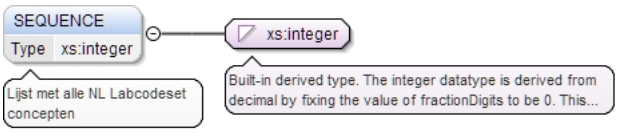
Instance	`<loincConcept loinc_num="" panelMember="" type="">`
	`  <SEQUENCE>{0,1}</SEQUENCE>`
	`  <LoincName>{0,1}</LoincName>`
	`  <ObservationRequiredInPanel>{0,1}</ObservationRequiredInPanel>`
	`  <ConditionForInclusion>{0,1}</ConditionForInclusion>`
	`  <members>{0,1}</members>`
	`</loincConcept>`

Attributes	

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

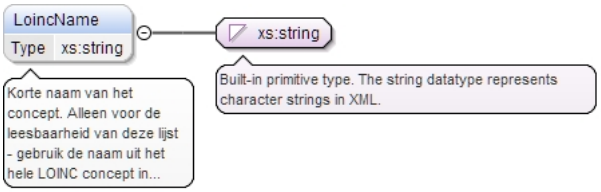
Source	`<xs:element maxOccurs="unbounded" name="loincConcept" type="panelConcept"/>`

Element panelConcept / SEQUENCE

Namespace	No namespace
Annotations	Lijst met alle NL Labcodeset concepten
Diagram	
Type	xs:integer
Properties	content: simple minOccurs: 0 maxOccurs: 1

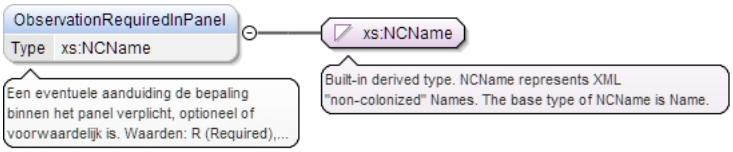
Source	`<xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element panelConcept / LoincName

Namespace	No namespace
Annotations	Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst - gebruik de naam uit het hele LOINC concept in uw toepassing.
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1

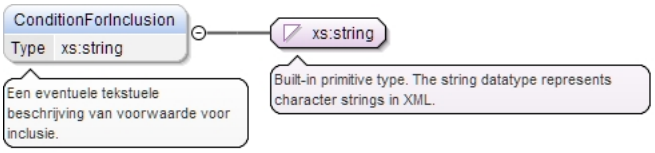
Source	`<xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst - gebruik de naam uit het hele LOINC concept in uw toepassing.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element panelConcept / ObservationRequiredInPanel

Namespace	No namespace
Annotations	Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional
Diagram	
Type	xs:NCName
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName">` `  <xs:annotation>`

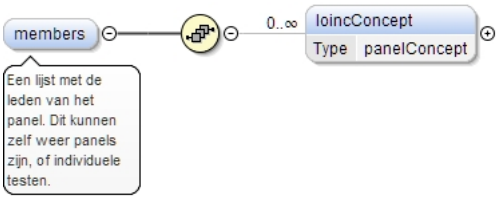
```
    <xs:documentation>Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of
 voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional</xs:documentation>
  </xs:annotation>
</xs:element>
```

Element panelConcept / ConditionForInclusion

Namespace	No namespace
Annotations	Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1

Source	`<xs:element name="ConditionForInclusion" minOccurs="0" maxOccurs="1" type="xs:string">`
	`  <xs:annotation>`
	`  <xs:documentation>Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.</xs:documentation>`
	`  </xs:annotation>`
	`</xs:element>`

Element panelConcept / members

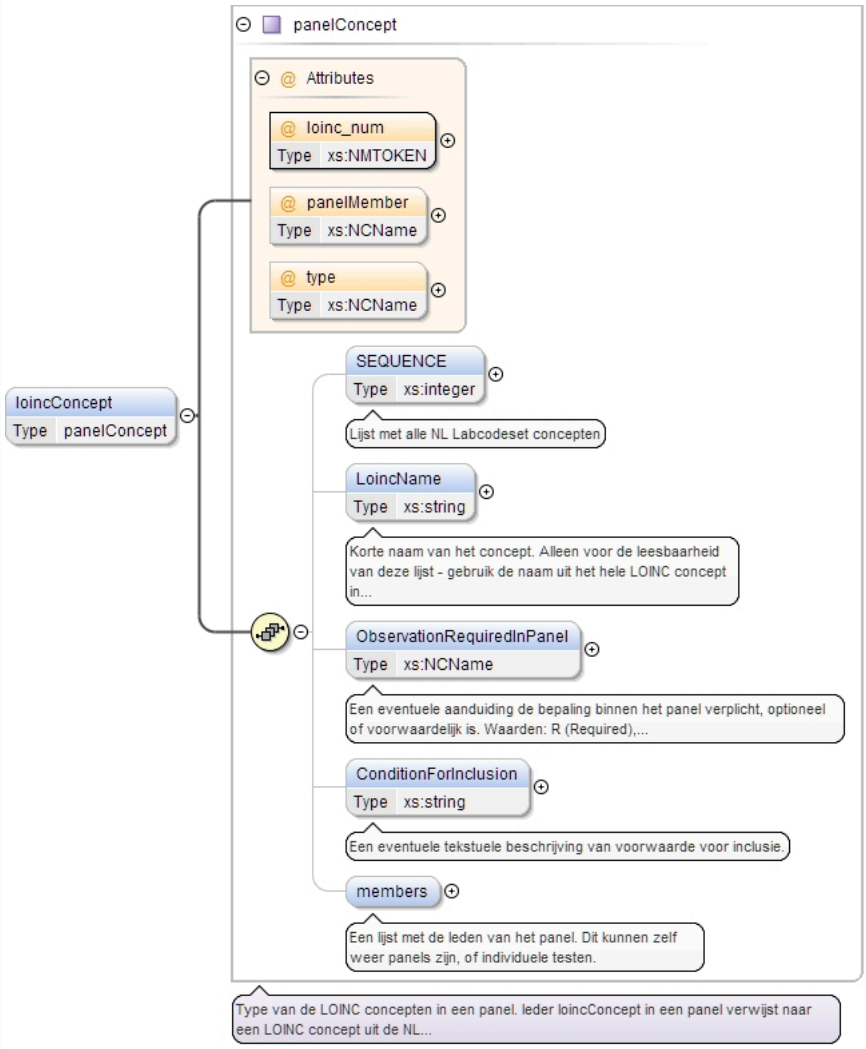
Namespace	No namespace
Annotations	Een lijst met de leden van het panel. Dit kunnen zelf weer panels zijn, of individuele testen.
Diagram	
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	loincConcept*
Children	loincConcept

Instance	`<members>`
	`  <loincConcept loinc_num="" panelMember="" type="">{0,unbounded}</loincConcept>`
	`</members>`

Source	`<xs:element name="members" minOccurs="0" maxOccurs="1">`
	`  <xs:annotation>`
	`  <xs:documentation>Een lijst met de leden van het panel. Dit kunnen zelf weer panels zijn, of individuele testen.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexType>`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" maxOccurs="unbounded" name="loincConcept" type="panelConcept"/>`
	`  </xs:sequence>`
	`  </xs:complexType>`
	`</xs:element>`

Element panelConcept / members / loincConcept

Namespace	No namespace

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

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

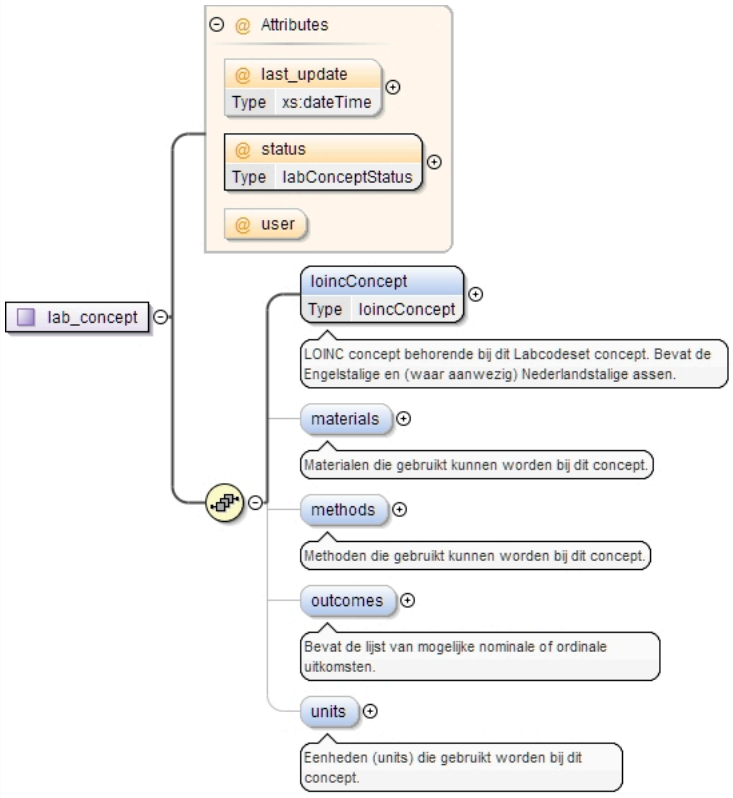
Attributes	**QName** / **Type** / **Use** **loinc_num** / xs:NMTOKEN / required **panelMember** / xs:NCName / optional **type** / xs:NCName / optional
Source	`<xs:element minOccurs="0" maxOccurs="unbounded" name="loincConcept" type="panelConcept"/>`

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{0,1} , units{0,1}

Children

loincConcept, materials, methods, outcomes, units

Attributes

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

Source

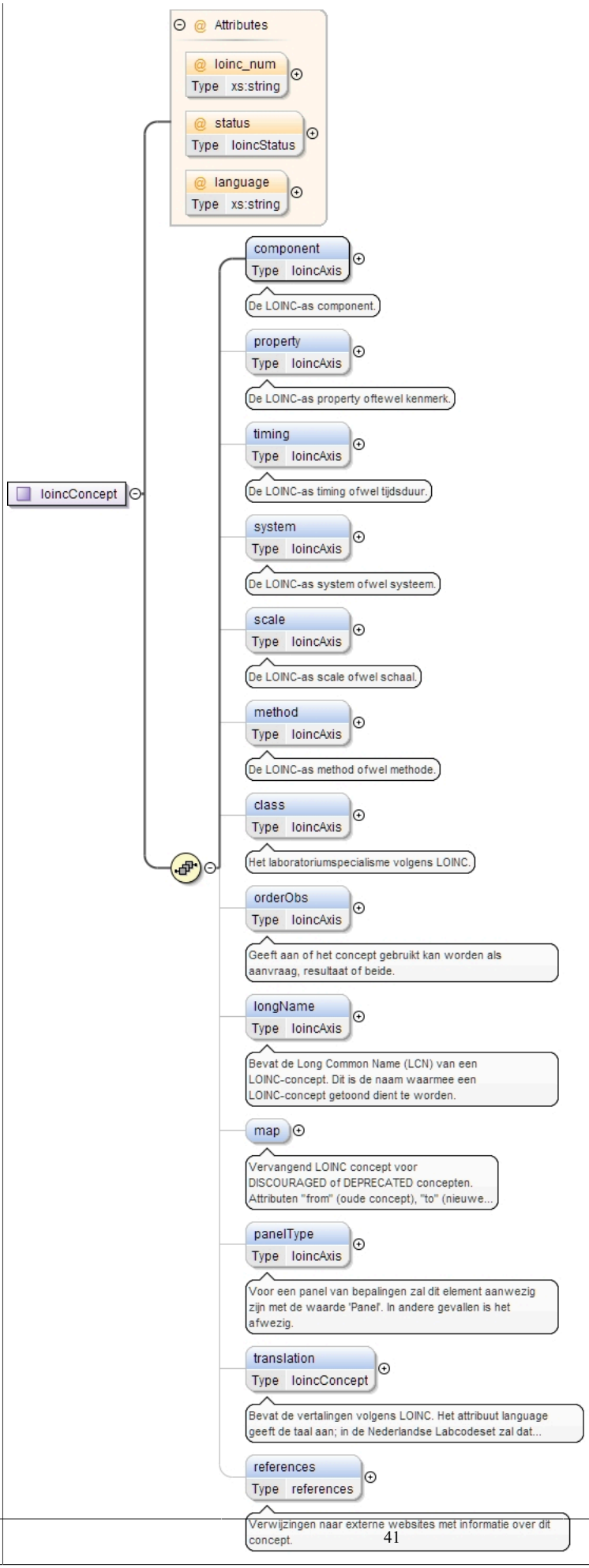
```
<xs:complexType name="lab_concept">
  <xs:sequence>
    <xs:element name="loincConcept" type="loincConcept">
      <xs:annotation>
        <xs:documentation>LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige
 en (waar aanwezig) Nederlandstalige assen.</xs:documentation>
      </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:element name="outcomes" minOccurs="0" maxOccurs="1">
      <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" minOccurs="0" maxOccurs="1">
      <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: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


Attributes
loinc_num
Type xs:string
status
Type loincStatus
language
Type xs:string
loincConcept
component
Type loincAxis
De LOINC-as component.
property
Type loincAxis
De LOINC-as property oftewel kenmerk.
timing
Type loincAxis
De LOINC-as timing ofwel tijdsduur.
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. Dit is de naam waarmee een LOINC-concept getoond dient te worden.
map
Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten. Attributen "from" (oude concept), "to" (nieuwe...
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

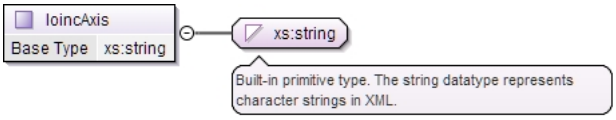
QName	Type	Use	
language	xs:string	optional	
loinc_num	xs:string	optional	
status	loincStatus	optional	

Source

```
<xs:complexType name="loincConcept">
  <xs:sequence>
    <xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>De LOINC-as component.</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 ofwel tijdsduur.</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. 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>Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten.
 Attributen "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).</
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

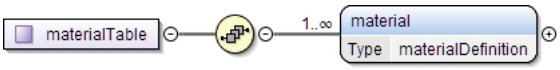
Source	`<xs:complexType name="loincAxis">`
	`  <xs:simpleContent>`
	`  <xs:extension base="xs:string"/>`
	`  </xs:simpleContent>`
	`</xs:complexType>`

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>`

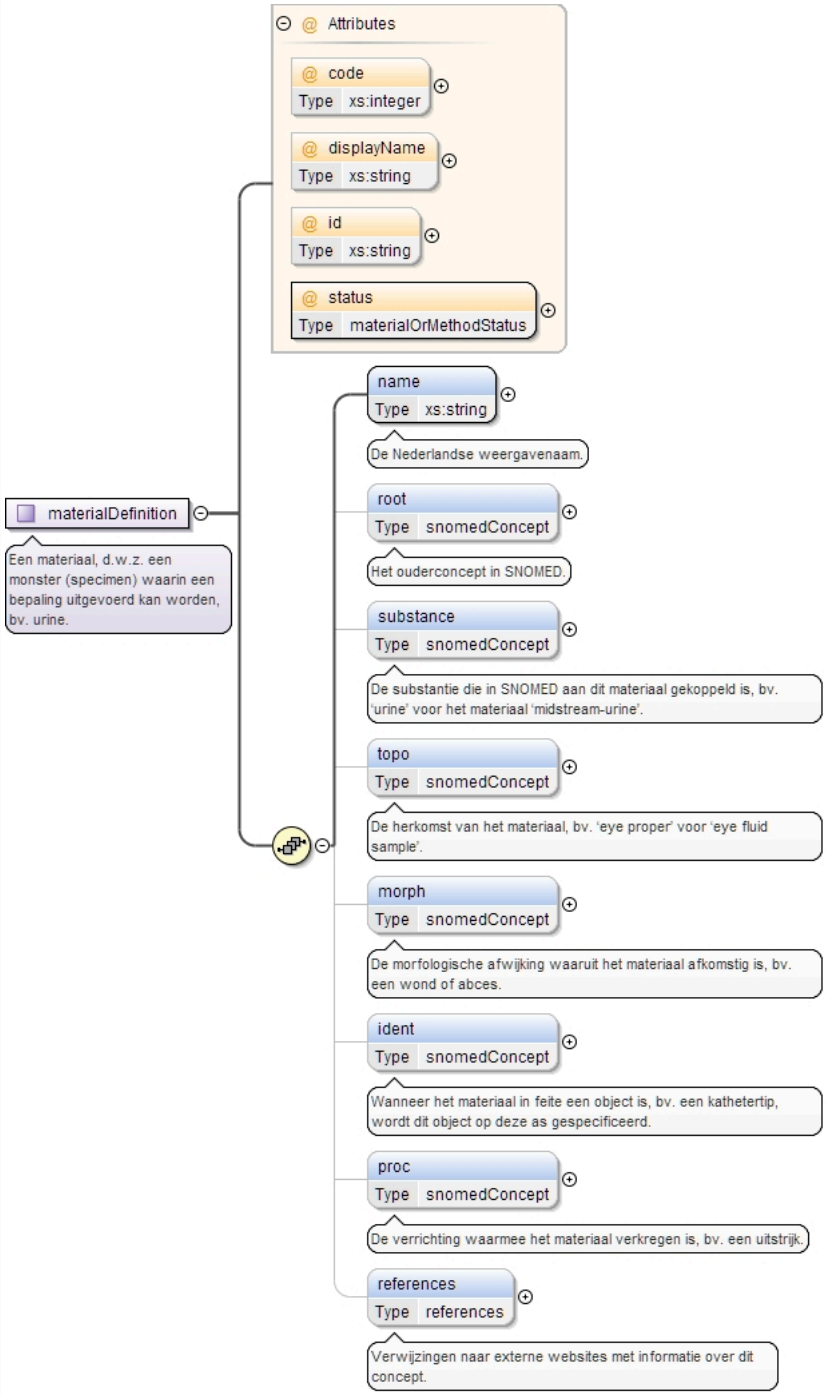
Complex Type `materialTable`

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	

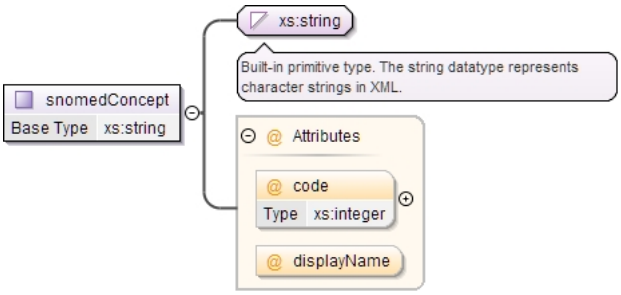
QName	Type	Use	
code	xs:integer	optional	
displayName	xs:string	optional	

QName	Type	Use
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	

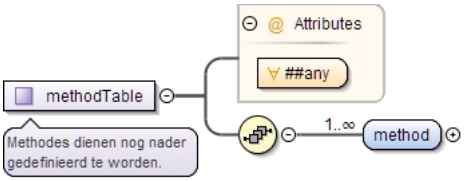
Type	extension of xs:string
Used by	Elements: materialDefinition/ident, materialDefinition/morph, materialDefinition/proc, materialDefinition/root, materialDefinition/substance, materialDefinition/topo
Attributes	

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>
```

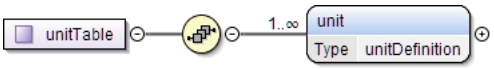
Complex Type `methodTable`

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`

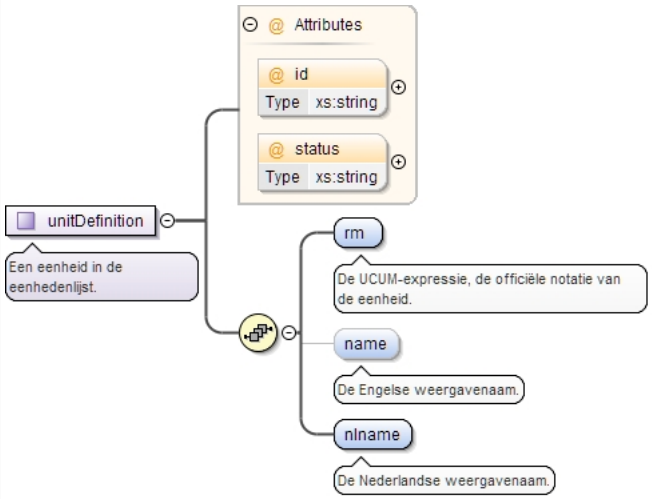
Namespace	No namespace
Diagram	
Used by	Element: publication/units
Model	unit+
Children	unit

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	

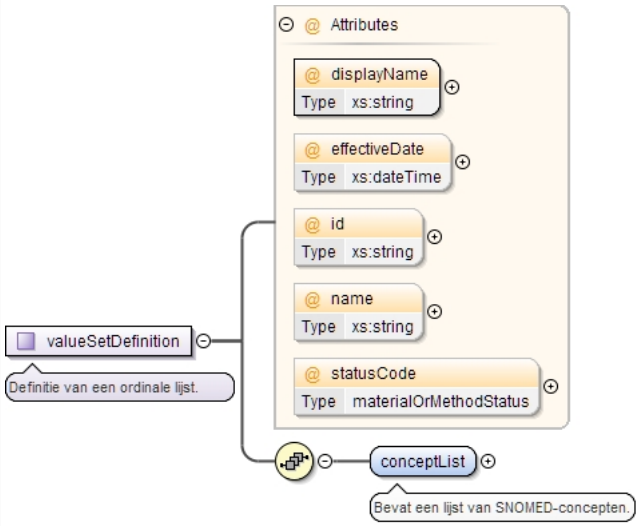
Source

```
<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

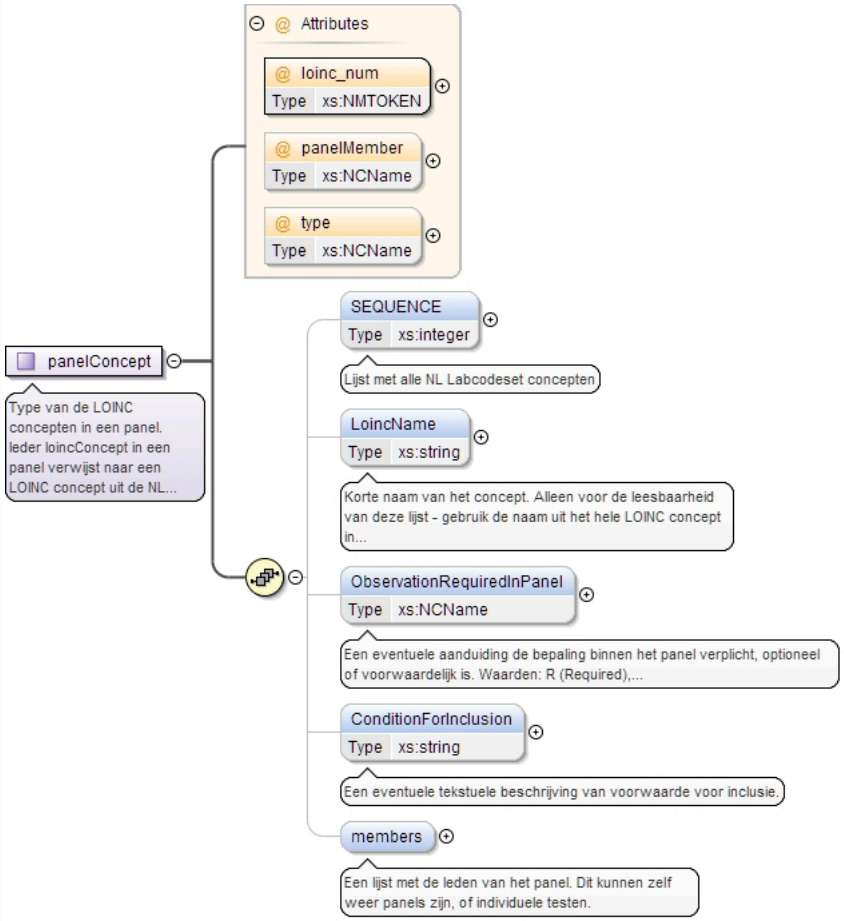
QName	Type	Use	
displayName	xs:string	required	
effectiveDate	xs:dateTime	optional	
id	xs:string	optional	
name	xs:string	optional	
statusCode	materialOrMethodStatus	optional	

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 `panelConcept`

Namespace	No namespace
Annotations	Type van de LOINC concepten in een panel. Ieder loincConcept in een panel verwijst naar een LOINC concept uit de NL Labcodeset.
Diagram	
Used by	Elements panelConcept/members/loincConcept, panels/loincConcept

Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , ConditionForInclusion{0,1} , members{0,1}
Children	ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members

Attributes

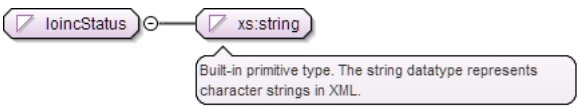
QName	Type	Use
loinc_num	xs:NMTOKEN	required
panelMember	xs:NCName	optional
type	xs:NCName	optional

Source

```
<xs:complexType name="panelConcept">
  <xs:annotation>
    <xs:documentation>Type van de LOINC concepten in een panel. Ieder loincConcept in een panel
 verwijst naar een LOINC concept uit de NL Labcodeset.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst -
 gebruik de naam uit het hele LOINC concept in uw toepassing.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName">
      <xs:annotation>
        <xs:documentation>Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel
 of voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ConditionForInclusion" minOccurs="0" maxOccurs="1" type="xs:string">
      <xs:annotation>
        <xs:documentation>Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.</
xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="members" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Een lijst met de leden van het panel. Dit kunnen zelf weer panels zijn, of
 individuele testen.</xs:documentation>
      </xs:annotation>
      <xs:complexType>
        <xs:sequence>
          <xs:element minOccurs="0" maxOccurs="unbounded" name="loincConcept" type="panelConcept"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  <xs:attribute name="loinc_num" use="required" type="xs:NMTOKEN"/>
  <xs:attribute name="panelMember" 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
enumeration	DISCOURAGED

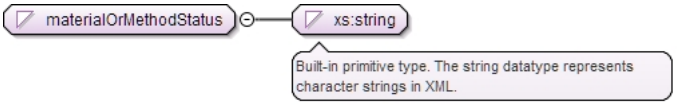
Used by	Attribute loincConcept/@status

Source

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

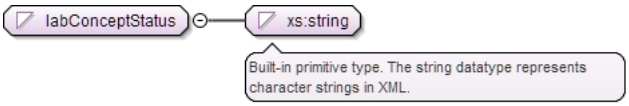
```
    <xs:enumeration value="DISCOURAGED"/>
  </xs:restriction>
</xs:simpleType>
```

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 `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 enumeration DISCOURAGED
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 / @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:NMTOKEN
Properties	use: required
Used by	Element publication
Source	`<xs:attribute name="effectiveDate" use="required" type="xs:NMTOKEN"/>`

Attribute publication / @user

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

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"/>`