

# Schema documentation for labcodeset.xsd

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**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	<pre>&lt;publication effectiveDate="" type="" user=""&gt;   &lt;desc language=""&gt;{1,1}&lt;/desc&gt;   &lt;lab_concepts&gt;{1,1}&lt;/lab_concepts&gt;   &lt;materials&gt;{1,1}&lt;/materials&gt;   &lt;methods&gt;{1,1}&lt;/methods&gt;   &lt;units&gt;{1,1}&lt;/units&gt;   &lt;ordinals&gt;{1,1}&lt;/ordinals&gt;   &lt;nominals&gt;{1,1}&lt;/nominals&gt;</pre>

	<pre> &lt;panels&gt;{1,1}&lt;/panels&gt; &lt;/publication&gt; </pre>			
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>effectiveDate</b>	xs:NMTOKEN	required	
	<b>type</b>	xs:string	optional	
	<b>user</b>	xs:NCName	optional	
Source	<pre> &lt;xs:element name="publication"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="desc"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Beschrijving van deze publicatie&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="lab_concepts"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met alle actieve concepten in de Nederlandse Labcodeset&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="materials" type="materialTable"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met gebruikte Snomed materialen&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="methods" type="methodTable"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met gebruikte Snomed methoden&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="units" type="unitTable"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met gebruikte UCUM eenheden&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="ordinals"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met gebruikte ordinale uitslagenlijsten&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="nominals"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met verwijzingen naar gebruikte nominale uitslagenlijsten&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element ref="panels"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Lijst met panels&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="effectiveDate" use="required" type="xs:NMTOKEN"/&gt;     &lt;xs:attribute name="user" use="optional" type="xs:NCName"/&gt;     &lt;xs:attribute name="type" use="optional" type="xs:string"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			

## Element desc

Namespace	No namespace		
Diagram			
Properties	content:	complex	
	mixed:	true	
Used by	Elements	desc, publication	
Model	desc*		

Children	desc			
Instance	<pre>&lt;desc language=""&gt;   &lt;desc language=""&gt;{0,unbounded}&lt;/desc&gt; &lt;/desc&gt;</pre>			
Attributes	QName	Type	Use	
	language	xs:NCName	optional	
Source	<pre>&lt;xs:element name="desc"&gt;   &lt;xs:complexType mixed="true"&gt;     &lt;xs:sequence&gt;       &lt;xs:element minOccurs="0" maxOccurs="unbounded" ref="desc" /&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="language" type="xs:NCName" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>			

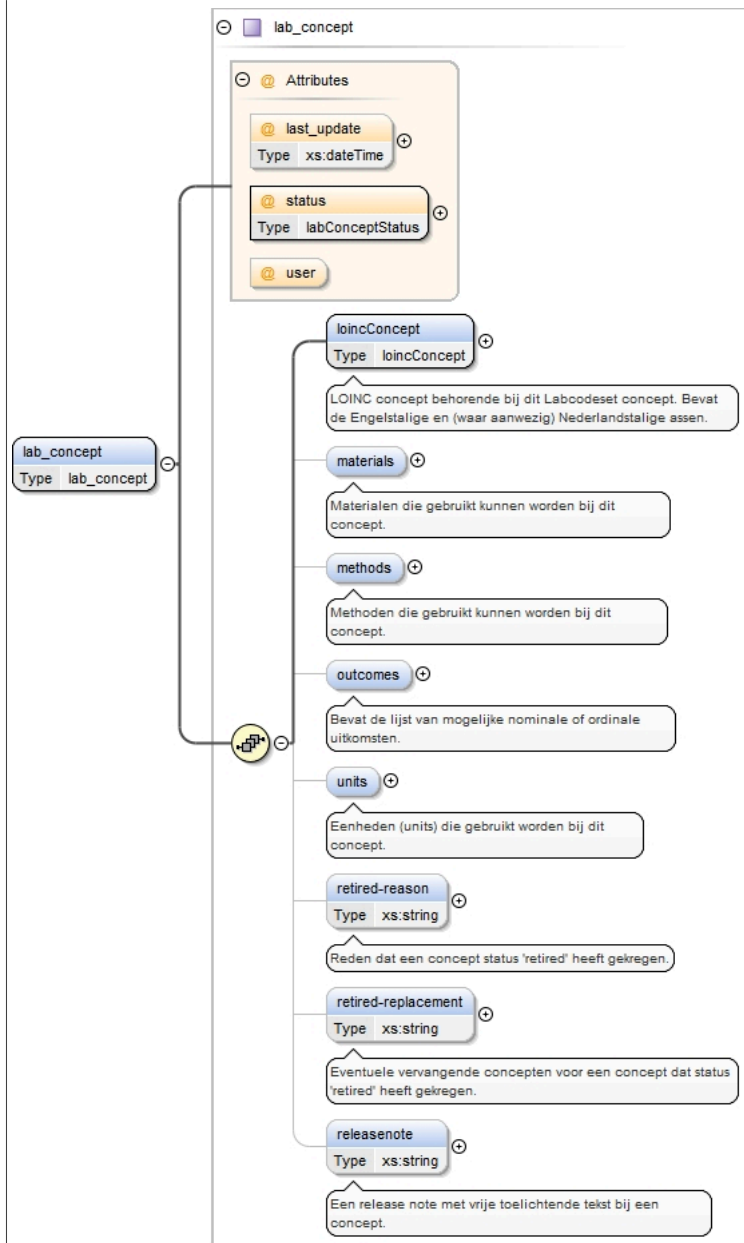
## Element lab\_concepts

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	<pre>&lt;lab_concepts&gt;   &lt;lab_concept last_update="" status="" user=""&gt;{1,unbounded}&lt;/lab_concept&gt; &lt;/lab_concepts&gt;</pre>		
Source	<pre>&lt;xs:element name="lab_concepts"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met alle NL Labcodeset concepten&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" name="lab_concept" type="lab_concept"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>		

## Element lab\_concepts / lab\_concept

Namespace	No namespace
-----------	--------------

Diagram



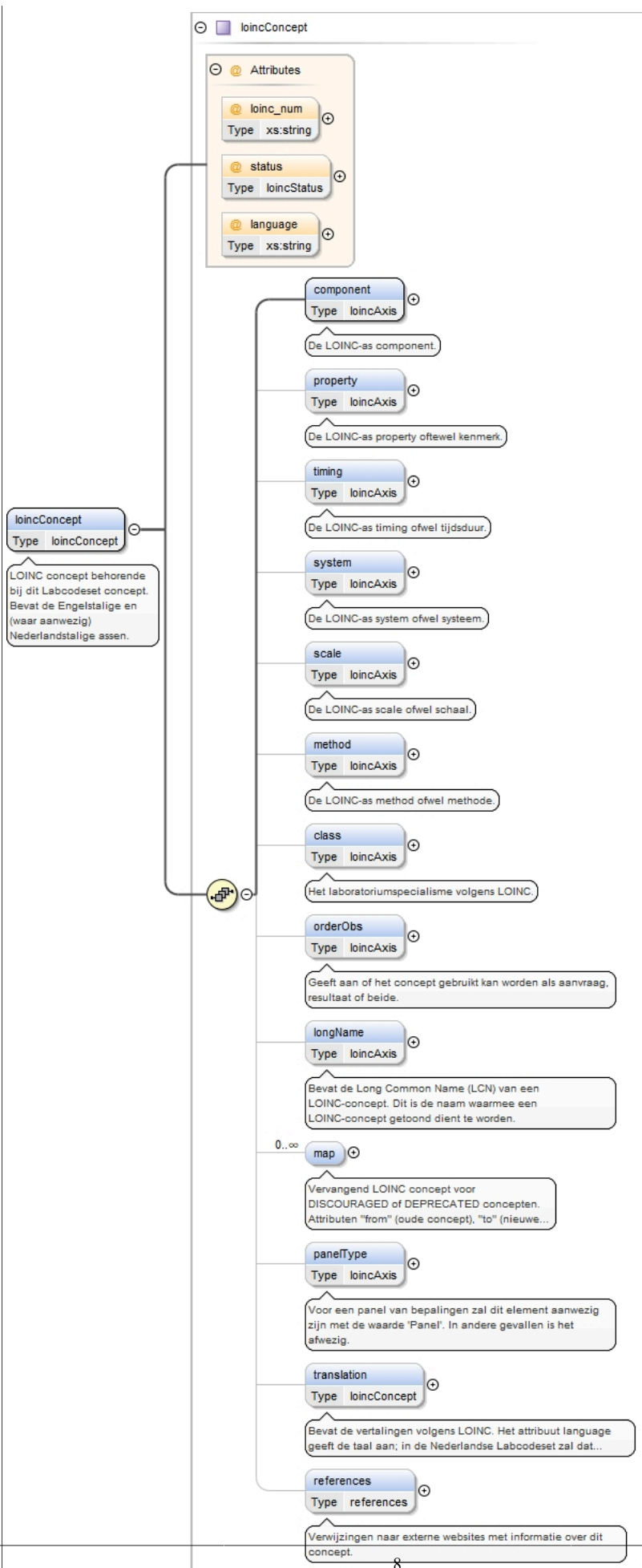
Type	lab_concept			
Properties	content:	complex		
	maxOccurs:	unbounded		
Model	loincConcept , materials{0,1} , methods{0,1} , outcomes{0,1} , units{0,1} , retired-reason{0,1} , retired-replacement{0,1} , releasenote{0,1}			
Children	loincConcept, materials, methods, outcomes, releasenote, retired-reason, retired-replacement, units			
Instance	<pre>&lt;lab_concept last_update="" status="" user=""&gt;   &lt;loincConcept language="" loinc_num="" status=""&gt;{1,1}&lt;/loincConcept&gt;   &lt;materials&gt;{0,1}&lt;/materials&gt;   &lt;methods&gt;{0,1}&lt;/methods&gt;   &lt;outcomes&gt;{0,1}&lt;/outcomes&gt;   &lt;units&gt;{0,1}&lt;/units&gt;   &lt;retired-reason&gt;{0,1}&lt;/retired-reason&gt;   &lt;retired-replacement&gt;{0,1}&lt;/retired-replacement&gt;   &lt;releasenote&gt;{0,1}&lt;/releasenote&gt; &lt;/lab_concept&gt;</pre>			
Attributes	QName	Type	Use	
	last_update	xs:dateTime	optional	
	status	labConceptStatus	required	

	QName	Type	Use	
	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





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* , panelType{0,1} , translation{0,1} , references{0,1}			
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation			
Instance	<pre>&lt;loincConcept language=" " loinc_num=" " status=" "&gt;   &lt;component&gt;{1,1}&lt;/component&gt;   &lt;property&gt;{0,1}&lt;/property&gt;   &lt;timing&gt;{0,1}&lt;/timing&gt;   &lt;system&gt;{0,1}&lt;/system&gt;   &lt;scale&gt;{0,1}&lt;/scale&gt;   &lt;method&gt;{0,1}&lt;/method&gt;   &lt;class&gt;{0,1}&lt;/class&gt;   &lt;orderObs&gt;{0,1}&lt;/orderObs&gt;   &lt;longName&gt;{0,1}&lt;/longName&gt;   &lt;map comment=" " from=" " to=" "&gt;{0,unbounded}&lt;/map&gt;   &lt;panelType&gt;{0,1}&lt;/panelType&gt;   &lt;translation language=" " loinc_num=" " status=" "&gt;{0,1}&lt;/translation&gt;   &lt;references&gt;{0,1}&lt;/references&gt; &lt;/loincConcept&gt;</pre>			
Attributes	QName	Type	Use	
	language	xs:string	optional	
	loinc_num	xs:string	optional	
	status	loincStatus	optional	
Source	<pre>&lt;xs:element name="loincConcept" type="loincConcept"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en     (waar aanwezig) Nederlandstalige assen.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>			

## Element loincConcept / component

Namespace	No namespace
Annotations	De LOINC-as component.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 1 maxOccurs: 1
Source	<pre> &lt;xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as component.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>

## Element loincConcept / property

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

Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Source	<pre>&lt;xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as property oftewel kenmerk.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	

### Element loincConcept / timing

Namespace	No namespace	
Annotations	De LOINC-as timing ofwel tijdsduur.	
Diagram		
Type	loincAxis	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Source	<pre>&lt;xs:element name="timing" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as timing ofwel tijdsduur.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	

### Element loincConcept / system

Namespace	No namespace	
Annotations	De LOINC-as system ofwel systeem.	
Diagram		
Type	loincAxis	
Properties	content:	complex
	minOccurs:	0
	maxOccurs:	1
Source	<pre>&lt;xs:element name="system" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as system ofwel systeem.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>	

### Element loincConcept / scale

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

Type	loincAxis
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as scale ofwel schaal.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element loincConcept / method

Namespace	No namespace
Annotations	De LOINC-as method ofwel methode.
Diagram	
Type	loincAxis
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De LOINC-as method ofwel methode.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element loincConcept / class

Namespace	No namespace
Annotations	Het laboratoriumspecialisme volgens LOINC.
Diagram	
Type	loincAxis
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Het laboratoriumspecialisme volgens LOINC.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element loincConcept / orderObs

Namespace	No namespace
Annotations	Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.

Diagram							
Type	loincAxis						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="orderObs" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

### 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	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="longName" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Bevat de Long Common Name (LCN) van een LOINC-concept. Dit is de naam waarmee een LOINC-concept getoond dient te worden.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

### 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	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded										
content:	complex																
minOccurs:	0																
maxOccurs:	unbounded																
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>comment</td><td></td><td>optional</td><td></td></tr><tr><td>from</td><td></td><td>optional</td><td></td></tr><tr><td>to</td><td></td><td>optional</td><td></td></tr></table>	QName	Type	Use		comment		optional		from		optional		to		optional	
QName	Type	Use															
comment		optional															
from		optional															
to		optional															
Source	<pre>&lt;xs:element name="map" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Vervangend LOINC concept voor DISCOURAGED of DEPRECAT ED concepten. Attributen     "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="from"/&gt;     &lt;xs:attribute name="to"/&gt;     &lt;xs:attribute name="comment"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>																

## Element loincConcept / panelType

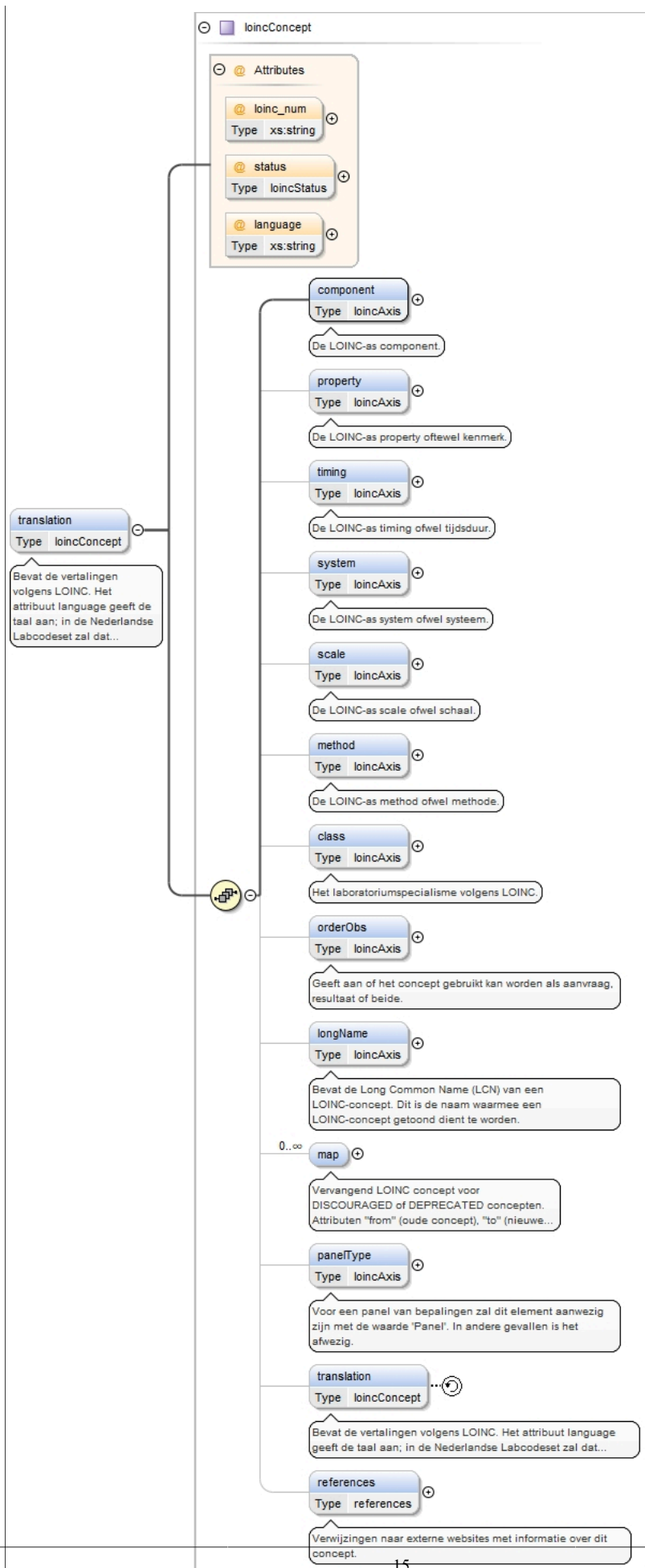
Namespace	No namespace		
Annotations	Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.		
Diagram	<p>The diagram illustrates the structure of the <code>panelType</code> element. It is a <code>Type</code> with a base type of <code>loincAxis</code>. The <code>loincAxis</code> is a <code>Base Type</code> with a base type of <code>xs:string</code>. A callout box for <code>panelType</code> states: "Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig." A callout box for <code>xs:string</code> states: "Built-in primitive type. The string datatype represents character strings in XML."</p>		
Type	loincAxis		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Source	<pre>&lt;xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde     'Panel'. In andere gevallen is het afwezig.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>		

## 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



Type	loincConcept			
Properties	content: complex			
	minOccurs: 0			
Model	component {0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map* , panelType{0,1} , translation{0,1} , references{0,1}			
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation			
Instance	<pre>&lt;translation language=" " loinc_num=" " status=" "&gt;   &lt;component&gt;{1,1}&lt;/component&gt;   &lt;property&gt;{0,1}&lt;/property&gt;   &lt;timing&gt;{0,1}&lt;/timing&gt;   &lt;system&gt;{0,1}&lt;/system&gt;   &lt;scale&gt;{0,1}&lt;/scale&gt;   &lt;method&gt;{0,1}&lt;/method&gt;   &lt;class&gt;{0,1}&lt;/class&gt;   &lt;orderObs&gt;{0,1}&lt;/orderObs&gt;   &lt;longName&gt;{0,1}&lt;/longName&gt;   &lt;map comment=" " from=" " to=" "&gt;{0,unbounded}&lt;/map&gt;   &lt;panelType&gt;{0,1}&lt;/panelType&gt;   &lt;translation language=" " loinc_num=" " status=" "&gt;{0,1}&lt;/translation&gt;   &lt;references&gt;{0,1}&lt;/references&gt; &lt;/translation&gt;</pre>			
Attributes	QName	Type	Use	
	language	xs:string	optional	
	loinc_num	xs:string	optional	
	status	loincStatus	optional	
Source	<pre>&lt;xs:element name="translation" type="loincConcept" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Bevat de vertalingen volgens LOINC. Het attribuut language geeft de taal aan;     in de Nederlandse Labcodeset zal dat nl-NL zijn.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>			

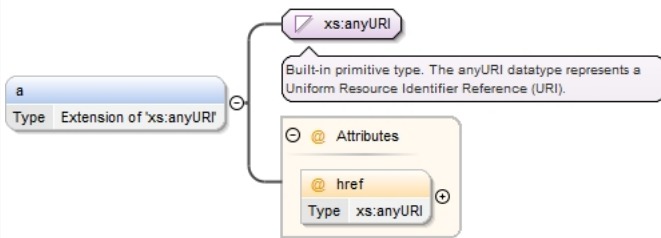
## Element loincConcept / references

Namespace	No namespace				
Annotations	Verwijzingen naar externe websites met informatie over dit concept.				
Diagram					
Type	references				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	a*				
Children	a				
Instance	<pre> &lt;references&gt;   &lt;a href=" " &gt;{0,unbounded}&lt;/a&gt; &lt;/references&gt; </pre>				
Source	<pre> &lt;xs:element name="references" type="references" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijzingen naar externe websites met informatie over dit concept.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>				

## Element references / a

Namespace	No namespace
-----------	--------------



Diagram	 <p>The diagram shows an element 'a' with a blue box labeled 'Type' and 'Extension of 'xs:anyURI''. A callout box explains that 'xs:anyURI' is a built-in primitive type representing a Uniform Resource Identifier (URI). Another callout box shows the 'Attributes' section with an attribute 'href' of type 'xs:anyURI'.</p>											
Type	extension of xs:anyURI											
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>				content:	complex	minOccurs:	0	maxOccurs:	unbounded		
content:	complex											
minOccurs:	0											
maxOccurs:	unbounded											
Attributes	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>href</td><td>xs:anyURI</td><td>optional</td><td></td></tr></table>	QName	Type	Use		href	xs:anyURI	optional				
QName	Type	Use										
href	xs:anyURI	optional										
Source	<pre>&lt;xs:element name="a" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:complexType&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="xs:anyURI"&gt;         &lt;xs:attribute name="href" type="xs:anyURI" /&gt;       &lt;/xs:extension&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>											

## Element lab\_concept / materials

Namespace	No namespace						
Annotations	Materialen die gebruikt kunnen worden bij dit concept.						
Diagram							
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>1</td></tr></table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	material+						
Children	material						
Instance	<pre>&lt;materials&gt;   &lt;material ref="" status=""&gt;{1,unbounded}&lt;/material&gt; &lt;/materials&gt;</pre>						
Source	<pre>&lt;xs:element name="materials" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Materialen die gebruikt kunnen worden bij dit concept.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="material" minOccurs="1" maxOccurs="unbounded"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Verwijst naar een materiaal in de materialenlijst.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;           &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>						

## 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	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	ref	xs:string	required	
	status	materialOrMethodStatus	required	
Source	<pre>&lt;xs:element name="material" minOccurs="1" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijst naar een materiaal in de materialenlijst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;     &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>			

## Element lab\_concept / methods

Namespace	No namespace						
Annotations	Methoden die gebruikt kunnen worden bij dit concept.						
Diagram							
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr><tr><td>maxOccurs:</td><td>1</td></tr></table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	method*						
Children	method						
Instance	<pre>&lt;methods&gt;   &lt;method ref=" " status=" "&gt;{0,unbounded}&lt;/method&gt; &lt;/methods&gt;</pre>						
Source	<pre>&lt;xs:element name="methods" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Methoden die gebruikt kunnen worden bij dit concept.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="method" minOccurs="0" maxOccurs="unbounded"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Verwijst naar een methode in de methodenlijst.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;           &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>						

## Element lab\_concept / methods / method

Namespace	No namespace		
Annotations	Verwijst naar een methode in de methodenlijst.		

Diagram				
Properties	content:	complex		
	minOccurs:	0		
	maxOccurs:	unbounded		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	ref	xs:string	required	
	status	materialOrMethodStatus	required	
Source	<pre> &lt;xs:element name="method" minOccurs="0" maxOccurs="unbounded"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijst naar een methode in de methodenlijst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;     &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			

## 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	<pre>&lt;outcomes&gt;   &lt;refset conceptId=" " preferredTerm=" " src=" "&gt;{1,1}&lt;/refset&gt;   &lt;valueSet ref=" "&gt;{1,1}&lt;/valueSet&gt; &lt;/outcomes&gt;</pre>		
Source	<pre>&lt;xs:element name="outcomes" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Bevat de lijst van mogelijke nominale of ordinale uitkomsten.&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:choice minOccurs="0"&gt;       &lt;xs:element ref="refset"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Verwijst naar een referentieset in SNOMED. U kunt deze vinden in de Nederlandse SNOMED-editie met behulp van het gegeven conceptId.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;       &lt;xs:element name="valueSet"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;"Verwijst naar de lijst van mogelijke ordinale uitkomsten."&lt;/ xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:element&gt;     &lt;/xs:choice&gt;   &lt;/xs:complexType&gt;   &lt;xs:attribute name="ref" type="xs:string"/&gt; &lt;/xs:element&gt;</pre>		

```

    </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	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	conceptId	xs:integer	required	
	preferredTerm		required	
	src	xs:anyURI	required	
Source	<pre> &lt;xs:element name="refset"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijzing naar een nominale refset.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="conceptId" use="required" type="xs:integer" /&gt;     &lt;xs:attribute name="preferredTerm" use="required" /&gt;     &lt;xs:attribute name="src" use="required" type="xs:anyURI" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			

## Element lab\_concept / outcomes / valueSet

Namespace	No namespace			
Annotations	"Verwijst naar de lijst van mogelijke ordinale uitkomsten."			
Diagram				
Properties	content:	complex		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	ref	xs:string	optional	
Source	<pre> &lt;xs:element name="valueSet"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;"Verwijst naar de lijst van mogelijke ordinale uitkomsten."&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="ref" type="xs:string" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			

## Element lab\_concept / units

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

Diagram							
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	unit						
Children	unit						
Instance	<pre>&lt;units&gt;   &lt;unit ref=""&gt;{1,1}&lt;/unit&gt; &lt;/units&gt;</pre>						
Source	<pre>&lt;xs:element name="units" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Eenheden (units) die gebruikt worden bij dit concept.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element name="unit"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Verwijst naar een eenheid (unit) in de eenhedenlijst.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:attribute name="ref" type="xs:string"/&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>						

### Element lab\_concept / units / unit

Namespace	No namespace								
Annotations	Verwijst naar een eenheid (unit) in de eenhedenlijst.								
Diagram									
Properties	content:	complex							
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>ref</td><td>xs:string</td><td>optional</td><td></td></tr></tbody></table>	QName	Type	Use		ref	xs:string	optional	
QName	Type	Use							
ref	xs:string	optional							
Source	<pre>&lt;xs:element name="unit"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijst naar een eenheid (unit) in de eenhedenlijst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:attribute name="ref" type="xs:string"/&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>								

### Element lab\_concept / retired-reason

Namespace	No namespace
Annotations	Reden dat een concept status 'retired' heeft gekregen.
Diagram	

Type	xs:string
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="retired-reason" type="xs:string" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Reden dat een concept status 'retired' heeft gekregen.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element lab\_concept / retired-replacement

Namespace	No namespace
Annotations	Eventuele vervangende concepten voor een concept dat status 'retired' heeft gekregen.
Diagram	
Type	xs:string
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="retired-replacement" type="xs:string" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Eventuele vervangende concepten voor een concept dat status 'retired' heeft gekregen.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element lab\_concept / releasenote

Namespace	No namespace
Annotations	Een release note met vrije toelichtende tekst bij een concept.
Diagram	
Type	xs:string
Properties	content: simple
	minOccurs: 0
	maxOccurs: 1
Source	<pre>&lt;xs:element name="releasenote" type="xs:string" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een release note met vrije toelichtende tekst bij een concept.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

### Element publication / materials

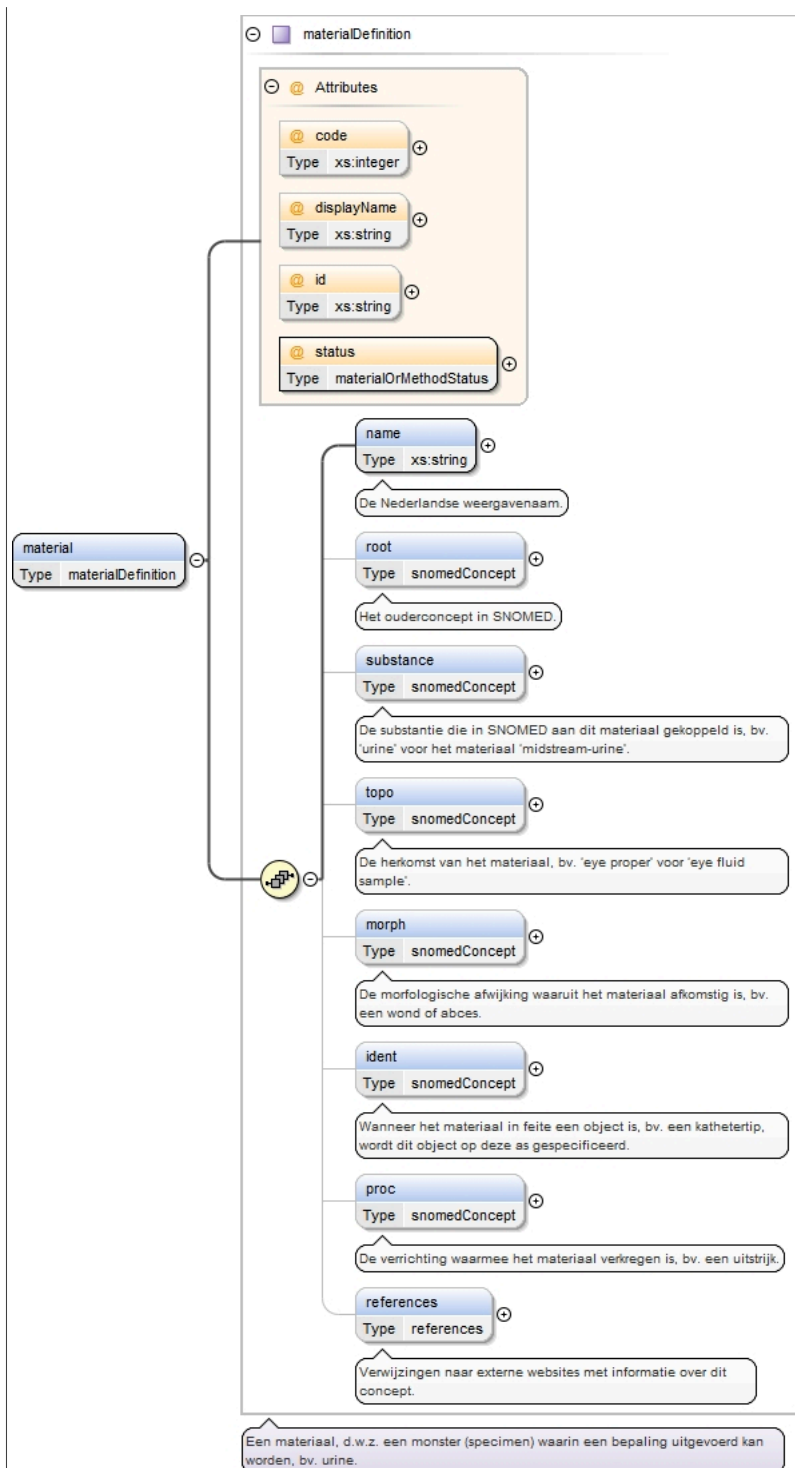
Namespace	No namespace
Annotations	Lijst met gebruikte Snomed materialen
Diagram	

Type	materialTable
Properties	content: complex
Model	material+
Children	material
Instance	<pre>&lt;materials&gt;   &lt;material code=" " displayName=" " id=" " status=" "&gt;{1,unbounded}&lt;/material&gt; &lt;/materials&gt;</pre>
Source	<pre>&lt;xs:element name="materials" type="materialTable"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met gebruikte Snomed materialen&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element materialTable / material

Namespace	No namespace
-----------	--------------

## Diagram



Type	materialDefinition				
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	maxOccurs:	unbounded
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	<pre>&lt;material code="" displayName="" id="" status=""&gt;   &lt;name&gt;{1,1}&lt;/name&gt;   &lt;root code="" displayName=""&gt;{0,1}&lt;/root&gt;   &lt;substance code="" displayName=""&gt;{0,1}&lt;/substance&gt;   &lt;topo code="" displayName=""&gt;{0,1}&lt;/topo&gt;   &lt;morph code="" displayName=""&gt;{0,1}&lt;/morph&gt;   &lt;ident code="" displayName=""&gt;{0,1}&lt;/ident&gt;</pre>				



	<pre> &lt;proc code=" " displayName=" "&gt;{0,1}&lt;/proc&gt; &lt;references&gt;{0,1}&lt;/references&gt; &lt;/material&gt; </pre>			
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>code</b>	xs:integer	optional	
	<b>displayName</b>	xs:string	optional	
	<b>id</b>	xs:string	optional	
	<b>status</b>	materialOrMethodStatus	required	
Source	<pre> &lt;xs:element name="material" type="materialDefinition" maxOccurs="unbounded" /&gt; </pre>			

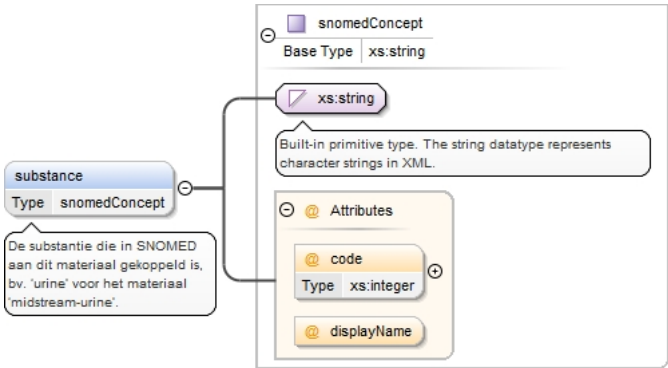
## Element materialDefinition / name

Namespace	No namespace		
Annotations	De Nederlandse weergavenaam.		
Diagram			
Type	xs:string		
Properties	content:	simple	
	minOccurs:	1	
	maxOccurs:	1	
Source	<pre>&lt;xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De Nederlandse weergavenaam.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>		

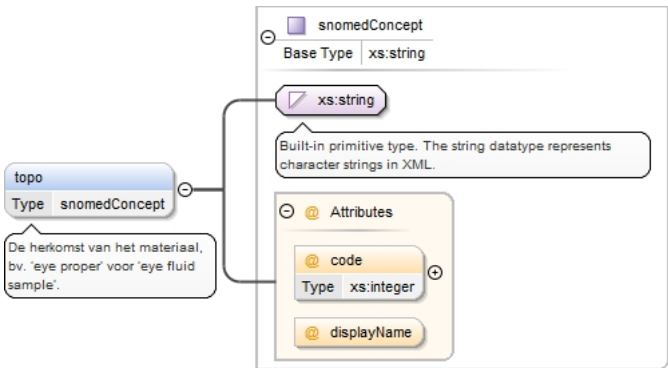
## Element materialDefinition / root

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	<pre>&lt;xs:element name="root" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Het ouderconcept in SNOMED.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>		

**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	 <p>The diagram shows the 'substance' element as a complex type derived from 'snomedConcept'. It has a base type of 'xs:string' and a built-in primitive type. It has two attributes: 'code' of type 'xs:integer' and 'displayName' of type 'xs:string'.</p>		
Type	snomedConcept		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	<b>code</b>	xs:integer	optional
	<b>displayName</b>		optional
Source	<pre>&lt;xs:element name="substance" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De substantie die in SNOMED aan dit materiaal gekoppeld is, bv. 'urine' voor het materiaal 'midstream-urine'.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>		

**Element materialDefinition / topo**

Namespace	No namespace		
Annotations	De herkomst van het materiaal, bv. 'eye proper' voor 'eye fluid sample'.		
Diagram	 <p>The diagram shows the 'topo' element as a complex type derived from 'snomedConcept'. It has a base type of 'xs:string' and a built-in primitive type. It has two attributes: 'code' of type 'xs:integer' and 'displayName' of type 'xs:string'.</p>		
Type	snomedConcept		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	<b>code</b>	xs:integer	optional
	<b>displayName</b>		optional
Source	<pre>&lt;xs:element name="topo" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;</pre>		

```

<xs:documentation>De herkomst van het materiaal, bv. 'eye proper' voor 'eye fluid sample'.</
xs:documentation>
</xs:annotation>
</xs:element>

```

## Element materialDefinition / morph

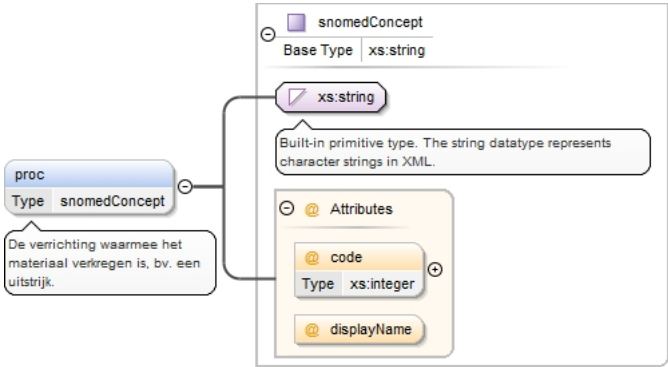
Namespace	No namespace		
Annotations	De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of abces.		
Diagram			
Type	snomedConcept		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	code	xs:integer	optional
	displayName		optional
Source	<pre> &lt;xs:element name="morph" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of abces.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>		

## Element materialDefinition / ident

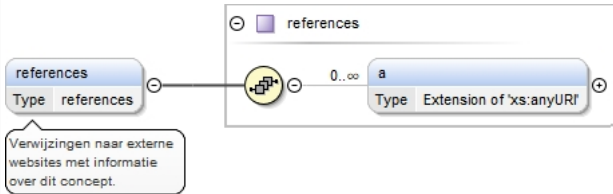
Namespace	No namespace		
Annotations	Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt dit object op deze as gespecificeerd.		
Diagram			
Type	snomedConcept		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>
	code	xs:integer	optional
	displayName		

	QName	Type	Use	
	<b>displayName</b>		optional	
Source	<pre>&lt;xs:element name="ident" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt dit     object op deze as gespecificeerd.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>			

## 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	
	<b>code</b>	xs:integer	optional	
	<b>displayName</b>		optional	
Source	<pre>&lt;xs:element name="proc" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De verrichting waarmee het materiaal verkregen is, bv. een uitstrijk.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>			

## Element materialDefinition / references

Namespace	No namespace				
Annotations	Verwijzingen naar externe websites met informatie over dit concept.				
Diagram	 <p>The diagram illustrates the XSD structure of the 'references' type. It features a 'references' type box with an annotation 'Verwijzingen naar externe websites met informatie over dit concept.' and a complex content model box containing an 'a' element. The 'a' element is annotated with '0..∞' and 'Extension of 'xs:anyURI''. The 'references' type is also annotated with 'references'.</p>				
Type	references				
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>minOccurs:</td><td>0</td></tr></table>	content:	complex	minOccurs:	0
content:	complex				
minOccurs:	0				
Model	a*				
Children	a				
Instance	<pre>&lt;references&gt;   &lt;a href=" "&gt;{0,unbounded}&lt;/a&gt; &lt;/references&gt;</pre>				

Source	<pre> &lt;xs:element name="references" type="references" minOccurs="0"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Verwijzingen naar externe websites met informatie over dit concept.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>
--------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

## Element publication / methods

Namespace	No namespace
Annotations	Lijst met gebruikte Snomed methoden
Diagram	
Type	methodTable
Properties	content: complex
Model	method+
Children	method
Instance	<pre> &lt;methods&gt;   &lt;method id=" " status=" " {1,unbounded}&lt;/method&gt; &lt;/methods&gt; </pre>
Attributes	<b>Wildcard:</b> ANY attribute from ANY namespace
Source	<pre> &lt;xs:element name="methods" type="methodTable"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met gebruikte Snomed methoden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt; </pre>

## Element methodTable / method

Namespace	No namespace														
Diagram	<p>The diagram shows a 'method' element (blue rounded rectangle) containing an 'Attributes' section (yellow rounded rectangle). The 'Attributes' section contains two attributes: 'id' (Type: xs:integer) and 'status' (Type: xs:NCName). Below the 'Attributes' section is a '##any' wildcard (blue rounded rectangle) with a cardinality of '1..∞'.</p>														
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>			content:	complex	maxOccurs:	unbounded								
content:	complex														
maxOccurs:	unbounded														
Model	ANY element from ANY namespace														
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>id</td><td>xs:integer</td><td>optional</td><td></td></tr><tr><td>status</td><td>xs:NCName</td><td>optional</td><td></td></tr></tbody></table>	QName	Type	Use		id	xs:integer	optional		status	xs:NCName	optional			
QName	Type	Use													
id	xs:integer	optional													
status	xs:NCName	optional													
Source	<pre>&lt;xs:element name="method" maxOccurs="unbounded"&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:any processContents="skip" maxOccurs="unbounded" /&gt;     &lt;/xs:sequence&gt;     &lt;xs:attribute name="id" type="xs:integer"/&gt;     &lt;xs:attribute name="status" type="xs:NCName" /&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>														

**Element publication / units**

Namespace	No namespace
Annotations	Lijst met gebruikte UCUM eenheden
Diagram	
Type	unitTable
Properties	content: complex
Model	unit+
Children	unit
Instance	<pre>&lt;units&gt;   &lt;unit id=" " status=" "&gt;{1,unbounded}&lt;/unit&gt; &lt;/units&gt;</pre>
Source	<pre>&lt;xs:element name="units" type="unitTable"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met gebruikte UCUM eenheden&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

**Element unitTable / unit**

Namespace	No namespace															
Diagram																
Type	unitDefinition															
Properties	<table><tr><td>content:</td><td>complex</td></tr><tr><td>maxOccurs:</td><td>unbounded</td></tr></table>				content:	complex	maxOccurs:	unbounded								
content:	complex															
maxOccurs:	unbounded															
Model	rm , name{0,1} , nname															
Children	name, nname, rm															
Instance	<pre>&lt;unit id=" " status=" "&gt;   &lt;rm&gt;{1,1}&lt;/rm&gt;   &lt;name&gt;{0,1}&lt;/name&gt;   &lt;nname&gt;{1,1}&lt;/nname&gt; &lt;/unit&gt;</pre>															
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>id</td><td>xs:string</td><td>optional</td><td></td></tr><tr><td>status</td><td>xs:string</td><td>optional</td><td></td></tr></tbody></table>	QName	Type	Use		id	xs:string	optional		status	xs:string	optional				
QName	Type	Use														
id	xs:string	optional														
status	xs:string	optional														

Source	<code>&lt;xs:element name="unit" maxOccurs="unbounded" type="unitDefinition"/&gt;</code>
--------	------------------------------------------------------------------------------------------

## Element unitDefinition / rm

Namespace	No namespace
Annotations	De UCUM-expressie, de officiële notatie van de eenheid.
Diagram	
Properties	minOccurs: 1 maxOccurs: 1
Source	<pre>&lt;xs:element name="rm" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De UCUM-expressie, de officiële notatie van de eenheid.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element unitDefinition / name

Namespace	No namespace
Annotations	De Engelse weergavenaam.
Diagram	
Properties	minOccurs: 0 maxOccurs: 1
Source	<pre>&lt;xs:element name="name" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De Engelse weergavenaam.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element unitDefinition / nlname

Namespace	No namespace
Annotations	De Nederlandse weergavenaam.
Diagram	
Properties	minOccurs: 1 maxOccurs: 1
Source	<pre>&lt;xs:element name="nlname" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De Nederlandse weergavenaam.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>

## Element ordinals

Namespace	No namespace
Annotations	Tabel met alle ordinale lijsten.
Diagram	
Properties	content: complex
Used by	Element publication

Model	valueSet+
Children	valueSet
Instance	<pre>&lt;ordinals&gt;   &lt;valueSet displayName="" effectiveDate="" id="" name="" statusCode=""&gt;{1,unbounded}&lt;/valueSet&gt; &lt;/ordinals&gt;</pre>
Source	<pre>&lt;xs:element name="ordinals"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Tabel met alle ordinale lijsten.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" name="valueSet" type="valueSetDefinition" /&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element ordinals / valueSet

Namespace	No namespace			
Diagram				
Type	valueSetDefinition			
Properties	content:	complex		
	maxOccurs:	unbounded		
Model	conceptList			
Children	conceptList			
Instance	<pre>&lt;valueSet displayName="" effectiveDate="" id="" name="" statusCode=""&gt;   &lt;conceptList&gt;{1,1}&lt;/conceptList&gt; &lt;/valueSet&gt;</pre>			
Attributes	QName	Type	Use	
	displayName	xs:string	required	
	effectiveDate	xs:dateTime	optional	
	id	xs:string	optional	
	name	xs:string	optional	
	statusCode	valueSetStatus	optional	
Source	<pre>&lt;xs:element maxOccurs="unbounded" name="valueSet" type="valueSetDefinition" /&gt;</pre>			

## Element valueSetDefinition / conceptList

Namespace	No namespace
Annotations	Bevat een lijst van SNOMED-concepten.



Diagram							
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	concept+						
Children	concept						
Instance	<pre>&lt;conceptList&gt;   &lt;concept code="" codeSystem="" codeSystemName="" displayName="" level="" type=""&gt;{1,unbounded}&lt;/concept&gt; &lt;/conceptList&gt;</pre>						
Source	<pre>&lt;xs:element name="conceptList" minOccurs="1" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Bevat een lijst van SNOMED-concepten.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" name="concept"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Verwijst naar een SNOMED-concept.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;         &lt;xs:complexType&gt;           &lt;xs:sequence&gt;             &lt;xs:element name="desc"&gt;               &lt;xs:complexType&gt;                 &lt;xs:simpleContent&gt;                   &lt;xs:extension base="xs:string"&gt;                     &lt;xs:attribute name="language"/&gt;                   &lt;/xs:extension&gt;                 &lt;/xs:simpleContent&gt;               &lt;/xs:complexType&gt;             &lt;/xs:element&gt;           &lt;/xs:sequence&gt;         &lt;/xs:complexType&gt;       &lt;/xs:element&gt;       &lt;xs:attribute name="code" type="xs:string" use="required"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Het SNOMED-id&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;       &lt;xs:attribute name="codeSystem" type="xs:string" use="required"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval altijd SNOMED).&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;       &lt;xs:attribute name="codeSystemName" type="xs:string" use="optional"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval SNOMED CT).&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;       &lt;xs:attribute name="displayName" type="xs:string" use="required"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;De fully specified name volgens SNOMED&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;       &lt;xs:attribute name="level" type="xs:string" use="optional"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset bevat geen geneste value sets, dus is level altijd 0.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;       &lt;xs:attribute name="type" type="xs:string" use="optional"&gt;         &lt;xs:annotation&gt;           &lt;xs:documentation&gt;Geeft aan of het een knoop of een blad (L) betreft - in de Labcodeset bevatten de value sets alleen bladeren.&lt;/xs:documentation&gt;         &lt;/xs:annotation&gt;       &lt;/xs:attribute&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>						

**Element valueSetDefinition / conceptList / concept**

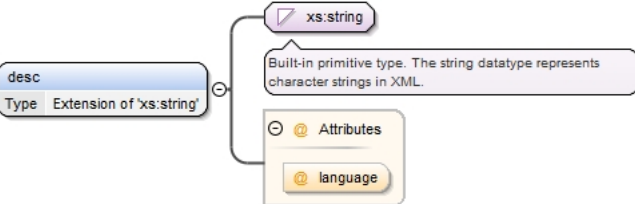
Namespace	No namespace		
Annotations	Verwijst naar een SNOMED-concept.		
Diagram			
Properties	content:	complex	
	maxOccurs:	unbounded	
Model	desc		
Children	desc		
Instance	<pre>&lt;concept code="" codeSystem="" codeSystemName="" displayName="" level="" type=""&gt;   &lt;desc language=""&gt;{1,1}&lt;/desc&gt; &lt;/concept&gt;</pre>		
Attributes	QName	Type	Use
	code	xs:string	required
		Het SNOMED-id	
	codeSystem	xs:string	required
		De OID van het terminologiestelsel (in dit geval altijd SNOMED).	
	codeSystemName	xs:string	optional
		De OID van het terminologiestelsel (in dit geval SNOMED CT).	
	displayName	xs:string	required
		De fully specified name volgens SNOMED	
	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	<pre>&lt;xs:element maxOccurs="unbounded" name="concept"&gt;   &lt;xs:annotation&gt;</pre>		

```

<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	<pre> &lt;xs:element name="desc"&gt;   &lt;xs:complexType&gt;     &lt;xs:simpleContent&gt;       &lt;xs:extension base="xs:string"&gt;         &lt;xs:attribute name="language"/&gt;       &lt;/xs:extension&gt;     &lt;/xs:simpleContent&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt; </pre>			

## Element `nominals`

Namespace	No namespace
Annotations	Tabel met nominale lijsten.
Diagram	
Properties	content: complex
Used by	Element publication
Model	refset
Children	refset
Instance	<pre>&lt;nominals&gt;   &lt;refset conceptId=" " preferredTerm=" " src=" "&gt;{1,1}&lt;/refset&gt; &lt;/nominals&gt;</pre>
Source	<pre>&lt;xs:element name="nominals"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Tabel met nominale lijsten.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element ref="refset"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

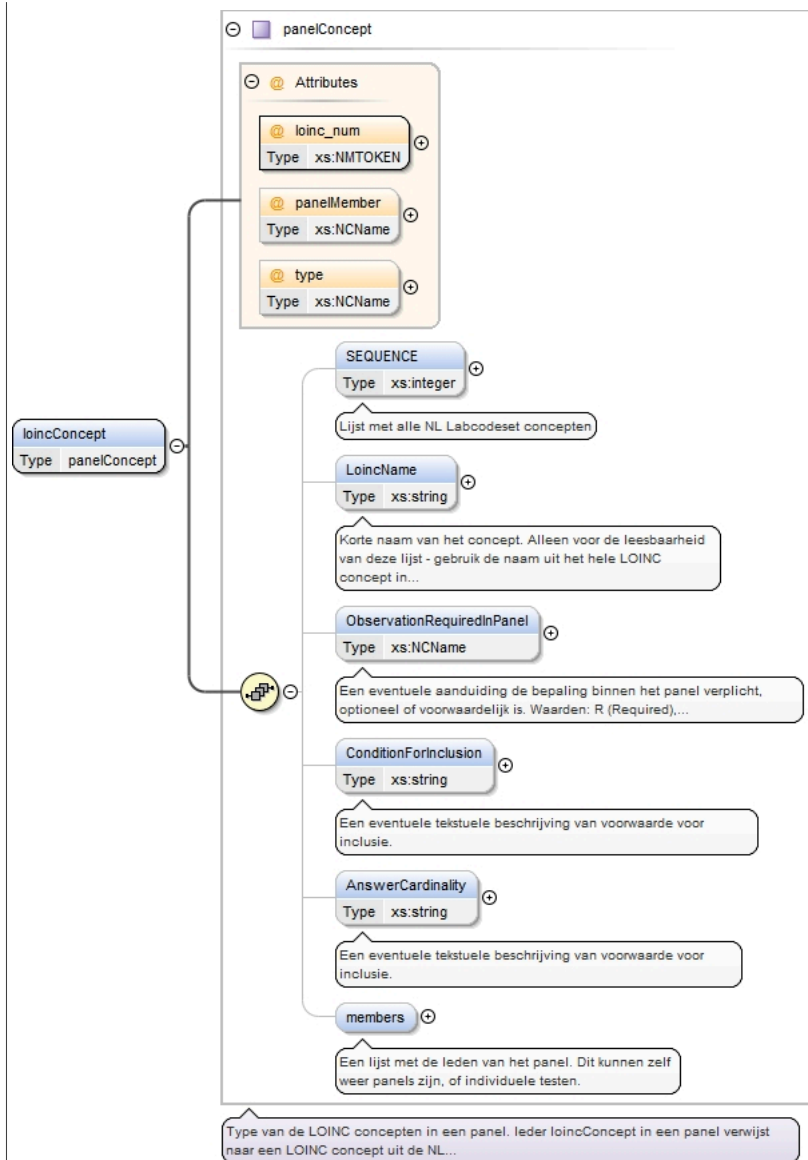
## Element `panels`

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	<pre>&lt;panels&gt;   &lt;loincConcept loinc_num=" " panelMember=" " type=" "&gt;{1,unbounded}&lt;/loincConcept&gt; &lt;/panels&gt;</pre>
Source	<pre>&lt;xs:element name="panels"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met alle panels in de NL Labcodeset.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:complexType&gt;     &lt;xs:sequence&gt;       &lt;xs:element maxOccurs="unbounded" name="loincConcept" type="panelConcept"/&gt;     &lt;/xs:sequence&gt;   &lt;/xs:complexType&gt; &lt;/xs:element&gt;</pre>

## Element `panels` / `loincConcept`

Namespace	No namespace
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## Diagram



Type	panelConcept
------	--------------

Properties	content: complex
------------	------------------

	maxOccurs: unbounded
--	----------------------

Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , ConditionForInclusion{0,1} , AnswerCardinality{0,1} , members{0,1}
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Children	AnswerCardinality, ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members
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Instance	<pre> &lt;loincConcept loinc_num=" " panelMember=" " type=" "&gt;   &lt;SEQUENCE&gt;{0,1}&lt;/SEQUENCE&gt;   &lt;LoincName&gt;{0,1}&lt;/LoincName&gt;   &lt;ObservationRequiredInPanel&gt;{0,1}&lt;/ObservationRequiredInPanel&gt;   &lt;ConditionForInclusion&gt;{0,1}&lt;/ConditionForInclusion&gt;   &lt;AnswerCardinality&gt;{0,1}&lt;/AnswerCardinality&gt;   &lt;members&gt;{0,1}&lt;/members&gt; &lt;/loincConcept&gt; </pre>
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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"/>
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**Element panelConcept / SEQUENCE**

Namespace	No namespace						
Annotations	Lijst met alle NL Labcodeset concepten						
Diagram							
Type	xs:integer						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Lijst met alle NL Labcodeset concepten&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**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	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst -     gebruik de naam uit het hele LOINC concept in uw toepassing.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**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	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of     voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**Element panelConcept / ConditionForInclusion**

Namespace	No namespace						
Annotations	Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="ConditionForInclusion" minOccurs="0" maxOccurs="1" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**Element panelConcept / AnswerCardinality**

Namespace	No namespace						
Annotations	Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.						
Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<pre>&lt;xs:element name="AnswerCardinality" minOccurs="0" maxOccurs="1" type="xs:string"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.&lt;/   &lt;/xs:annotation&gt; &lt;/xs:element&gt;</pre>						

**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	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1
content:	complex						
minOccurs:	0						
maxOccurs:	1						
Model	loincConcept*						
Children	loincConcept						
Instance	<pre>&lt;members&gt;   &lt;loincConcept loinc_num=" " panelMember=" " type=" "&gt;{0,unbounded}&lt;/loincConcept&gt; &lt;/members&gt;</pre>						

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

Namespace	No namespace						
Diagram							
Type	panelConcept						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
content:	complex						
minOccurs:	0						
maxOccurs:	unbounded						
Model	SEQUENCE{0,1} , LoincName{0,1} , ObservationRequiredInPanel{0,1} , ConditionForInclusion{0,1} , AnswerCardinality{0,1} , members{0,1}						
Children	AnswerCardinality, ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members						
Instance	<pre> &lt;loincConcept loinc_num=" " panelMember=" " type=" "&gt;   &lt;SEQUENCE&gt;{0,1}&lt;/SEQUENCE&gt; </pre>						



	<pre> &lt;loincName&gt;{0,1}&lt;/loincName&gt; &lt;ObservationRequiredInPanel&gt;{0,1}&lt;/ObservationRequiredInPanel&gt; &lt;ConditionForInclusion&gt;{0,1}&lt;/ConditionForInclusion&gt; &lt;AnswerCardinality&gt;{0,1}&lt;/AnswerCardinality&gt; &lt;members&gt;{0,1}&lt;/members&gt; &lt;/loincConcept&gt; </pre>			
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>loinc_num</b>	xs:NMTOKEN	required	
	<b>panelMember</b>	xs:NCName	optional	
	<b>type</b>	xs:NCName	optional	
Source	<pre> &lt;xs:element minOccurs="0" maxOccurs="unbounded" name="loincConcept" type="panelConcept"/&gt; </pre>			

## Complex Type(s)

### Complex Type lab\_concept

Namespace	No namespace
Diagram	
Used by	Element <code>lab_concepts/lab_concept</code>
Model	<code>loincConcept</code> , <code>materials{0,1}</code> , <code>methods{0,1}</code> , <code>outcomes{0,1}</code> , <code>units{0,1}</code> , <code>retired-reason{0,1}</code> , <code>retired-replacement{0,1}</code> , <code>releasenote{0,1}</code>
Children	<code>loincConcept</code> , <code>materials</code> , <code>methods</code> , <code>outcomes</code> , <code>releasenote</code> , <code>retired-reason</code> , <code>retired-replacement</code> , <code>units</code>

Attributes	QName	Type	Use	
	last_update	xs:dateTime	optional	
	status	labConceptStatus	required	
	user		optional	
Source	<pre> &lt;xs:complexType name="lab_concept"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="loincConcept" type="loincConcept"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="materials" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Materialen die gebruikt kunnen worden bij dit concept.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="material" minOccurs="1" maxOccurs="unbounded"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Verwijst naar een materiaal in de materialenlijst.&lt;/ xs:documentation&gt;             &lt;/xs:annotation&gt;             &lt;xs:complexType&gt;               &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;               &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;             &lt;/xs:complexType&gt;           &lt;/xs:element&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="methods" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Methoden die gebruikt kunnen worden bij dit concept.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element name="method" minOccurs="0" maxOccurs="unbounded"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Verwijst naar een methode in de methodenlijst.&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;             &lt;xs:complexType&gt;               &lt;xs:attribute name="ref" type="xs:string" use="required"/&gt;               &lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;             &lt;/xs:complexType&gt;           &lt;/xs:element&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="outcomes" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bevat de lijst van mogelijke nominale of ordinale uitkomsten.&lt;/ xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:choice minOccurs="0"&gt;           &lt;xs:element ref="refset"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Verwijst naar een referentieset in SNOMED. U kunt deze vinden in de Nederlandse SNOMED-editie met behulp van het gegeven conceptId.&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:element&gt;           &lt;xs:element name="valueSet"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;"Verwijst naar de lijst van mogelijke ordinale uitkomsten."&lt;/ xs:documentation&gt;             &lt;/xs:annotation&gt;             &lt;xs:complexType&gt;               &lt;xs:attribute name="ref" type="xs:string"/&gt;             &lt;/xs:complexType&gt;           &lt;/xs:element&gt;         &lt;/xs:choice&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="units" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Eenheden (units) die gebruikt worden bij dit concept.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt; </pre>			

```

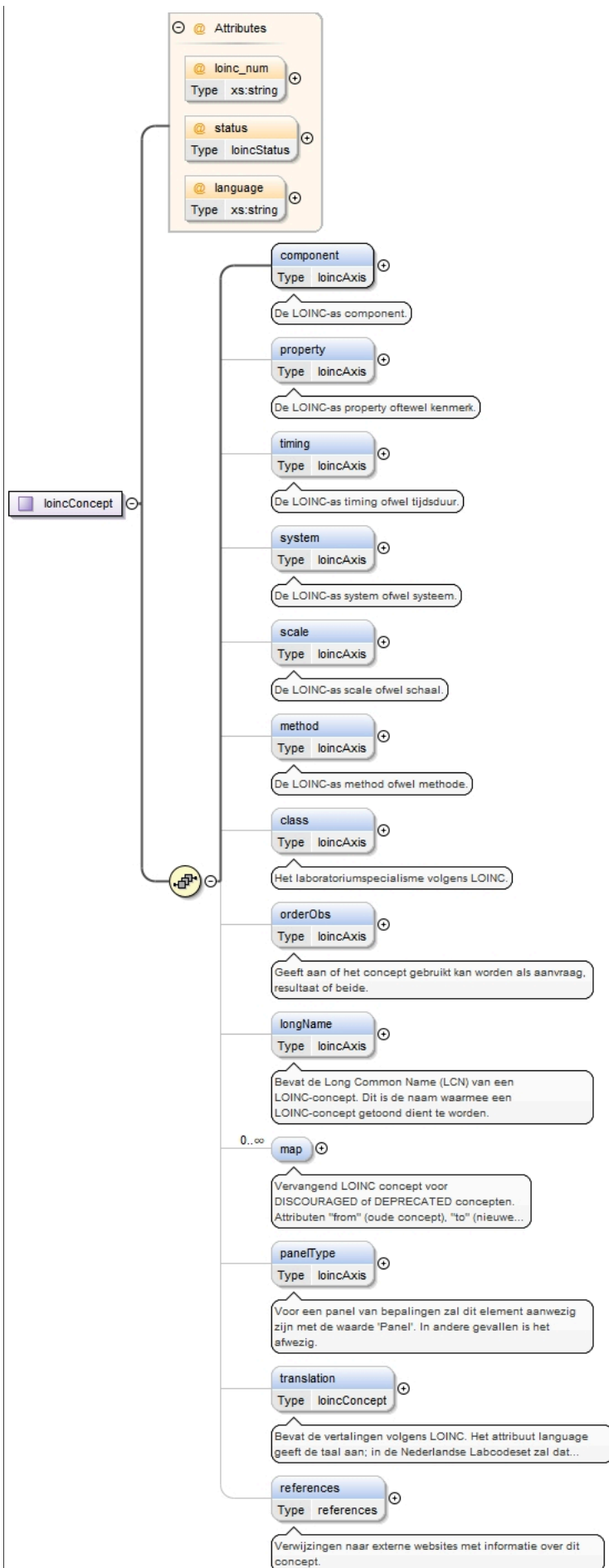
        <xs:sequence>
          <xs:element name="unit">
            <xs:annotation>
              <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</
xs:documentation>
            </xs:annotation>
            <xs:complexType>
              <xs:attribute name="ref" type="xs:string"/>
            </xs:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="retired-reason" type="xs:string" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Reden dat een concept status 'retired' heeft gekregen.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="retired-replacement" type="xs:string" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Eventuele vervangende concepten voor een concept dat status 'retired'
heeft gekregen.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="releasenote" type="xs:string" minOccurs="0" maxOccurs="1">
      <xs:annotation>
        <xs:documentation>Een release note met vrije toelichtende tekst bij een concept.</
xs:documentation>
      </xs:annotation>
    </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



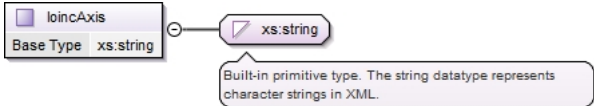
Used by	lab_concept/loincConcept, loincConcept/translation			
Model	component {0,1} , timing {0,1} , system {0,1} , scale {0,1} , method {0,1} , class {0,1} , orderObs {0,1} , longName {0,1} , map* , panelType {0,1} , translation {0,1} , references {0,1}			
Children	class, component, longName, map, method, orderObs, panelType, property, references, scale, system, timing, translation			
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>language</b>	xs:string	optional	
	<b>loinc_num</b>	xs:string	optional	
	<b>status</b>	loincStatus	optional	
Source	<pre> &lt;xs:complexType name="loincConcept"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as component.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as property oftewel kenmerk.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="timing" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as timing ofwel tijdsduur.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="system" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as system ofwel systeem.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as scale ofwel schaal.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De LOINC-as method ofwel methode.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Het laboratoriumspecialisme volgens LOINC.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="orderObs" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="longName" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bevat de Long Common Name (LCN) van een LOINC-concept. Dit is de naam waarmee een LOINC-concept getoond dient te worden.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="map" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Vervangend LOINC concept voor DISCOURAGED of DEPRECATED concepten.         Attributen "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:attribute name="from"/&gt;         &lt;xs:attribute name="to"/&gt;         &lt;xs:attribute name="comment"/&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;     &lt;xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="translation" type="loincConcept" minOccurs="0"&gt; </pre>			

```


<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>

```

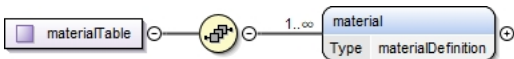
## Complex Type loincAxis

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	<pre> &lt;xs:complexType name="loincAxis"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="xs:string"/&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt; </pre>	

## Complex Type references

Namespace	No namespace	
Diagram		
Used by	Elements	loincConcept/references, materialDefinition/references
Model	a*	
Children	a	
Source	<pre> &lt;xs:complexType name="references"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="a" minOccurs="0" maxOccurs="unbounded"&gt;       &lt;xs:complexType&gt;         &lt;xs:simpleContent&gt;           &lt;xs:extension base="xs:anyURI"&gt;             &lt;xs:attribute name="href" type="xs:anyURI"/&gt;           &lt;/xs:extension&gt;         &lt;/xs:simpleContent&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>	

## Complex Type materialTable

Namespace	No namespace	
Diagram		
Used by	Element	publication/materials
Model	material+	
Children	material	
Source	<pre> &lt;xs:complexType name="materialTable"&gt;   &lt;xs:sequence&gt; </pre>	

```

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

```

## Complex Type materialDefinition

Namespace	No namespace			
Annotations	Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd kan worden, bv. urine.			
Diagram				
Used by	Element materialTable/material			
Model	name , root{0,1} , substance{0,1} , topo{0,1} , morph{0,1} , ident{0,1} , proc{0,1} , references{0,1}			
Children	ident, morph, name, proc, references, root, substance, topo			
Attributes	QName	Type	Use	
	code	xs:integer	optional	
	displayName	xs:string	optional	
	id	xs:string	optional	

	QName	Type	Use	
	status	materialOrMethodStatus	required	
Source	<pre> &lt;xs:complexType name="materialDefinition"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd kan worden, bv. urine.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="name" type="xs:string" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De Nederlandse weergavenaam.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="root" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Het ouderconcept in SNOMED.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="substance" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De substantie die in SNOMED aan dit materiaal gekoppeld is, bv. 'urine' voor het materiaal 'midstream-urine'.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="topo" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De herkomst van het materiaal, bv. 'eye proper' voor 'eye fluid sample'.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="morph" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De morfologische afwijking waaruit het materiaal afkomstig is, bv. een wond of abces.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ident" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Wanneer het materiaal in feite een object is, bv. een kathetertip, wordt dit object op deze as gespecificeerd.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="proc" type="snomedConcept" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De verrichting waarmee het materiaal verkregen is, bv. een uitstrijk.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="references" type="references" minOccurs="0"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Verwijzingen naar externe websites met informatie over dit concept.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="code" type="xs:integer"/&gt;   &lt;xs:attribute name="displayName" type="xs:string"/&gt;   &lt;xs:attribute name="id" type="xs:string"/&gt;   &lt;xs:attribute name="status" use="required" type="materialOrMethodStatus"/&gt; &lt;/xs:complexType&gt; </pre>			

## Complex Type snomedConcept

Namespace	No namespace
Diagram	<pre> classDiagram     class snomedConcept {         +xs:string baseType         +code xs:integer         +displayName xs:string     }     snomedConcept -- xs:string : Base Type     </pre>
Type	extension of xs:string



Used by	Elements	materialDefinition/ident, materialDefinition/morph, materialDefinition/proc, materialDefinition/root, materialDefinition/substance, materialDefinition/topo		
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>code</b>	xs:integer	optional	
	<b>displayName</b>		optional	
Source	<pre> &lt;xs:complexType name="snomedConcept"&gt;   &lt;xs:simpleContent&gt;     &lt;xs:extension base="xs:string"&gt;       &lt;xs:attribute name="code" type="xs:integer" /&gt;       &lt;xs:attribute name="displayName" /&gt;     &lt;/xs:extension&gt;   &lt;/xs:simpleContent&gt; &lt;/xs:complexType&gt; </pre>			

## 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	<b>Wildcard:</b> ANY attribute from ANY namespace
Source	<pre> &lt;xs:complexType name="methodTable"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Methodes dienen nog nader gedefinieerd te worden.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="method" maxOccurs="unbounded"&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:any processContents="skip" maxOccurs="unbounded" /&gt;         &lt;/xs:sequence&gt;         &lt;xs:attribute name="id" type="xs:integer" /&gt;         &lt;xs:attribute name="status" type="xs:NCName" /&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:anyAttribute/&gt; &lt;/xs:complexType&gt; </pre>

## Complex Type unitTable

Namespace	No namespace
Diagram	
Used by	Element publication/units
Model	unit+
Children	unit
Source	<pre> &lt;xs:complexType name="unitTable"&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="unit" maxOccurs="unbounded" type="unitDefinition" /&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt; </pre>

## 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	<table><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr><tr><td>id</td><td>xs:string</td><td>optional</td><td></td></tr><tr><td>status</td><td>xs:string</td><td>optional</td><td></td></tr></table>	QName	Type	Use		id	xs:string	optional		status	xs:string	optional	
QName	Type	Use											
id	xs:string	optional											
status	xs:string	optional											
Source	<pre>&lt;xs:complexType name="unitDefinition"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Een eenheid in de eenhedenlijst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="rm" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De UCUM-expressie, de officiële notatie van de eenheid.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="name" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De Engelse weergavenaam.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="nlname" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;De Nederlandse weergavenaam.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt;   &lt;xs:attribute name="id" type="xs:string"/&gt;   &lt;xs:attribute name="status" type="xs:string"/&gt; &lt;/xs:complexType&gt;</pre>												

## Complex Type valueSetDefinition

Namespace	No namespace
Annotations	Definitie van een ordinale lijst.

Diagram																												
Used by	Element	ordinals/valueSet																										
Model	conceptList																											
Children	conceptList																											
Attributes	<table><thead><tr><th>QName</th><th>Type</th><th>Use</th><th></th></tr></thead><tbody><tr><td>displayName</td><td>xs:string</td><td>required</td><td></td></tr><tr><td>effectiveDate</td><td>xs:dateTime</td><td>optional</td><td></td></tr><tr><td>id</td><td>xs:string</td><td>optional</td><td></td></tr><tr><td>name</td><td>xs:string</td><td>optional</td><td></td></tr><tr><td>statusCode</td><td>valueSetStatus</td><td>optional</td><td></td></tr></tbody></table>	QName	Type	Use		displayName	xs:string	required		effectiveDate	xs:dateTime	optional		id	xs:string	optional		name	xs:string	optional		statusCode	valueSetStatus	optional				
QName	Type	Use																										
displayName	xs:string	required																										
effectiveDate	xs:dateTime	optional																										
id	xs:string	optional																										
name	xs:string	optional																										
statusCode	valueSetStatus	optional																										
Source	<pre>&lt;xs:complexType name="valueSetDefinition"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Definitie van een ordinale lijst.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="conceptList" minOccurs="1" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Bevat een lijst van SNOMED-concepten.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;       &lt;xs:complexType&gt;         &lt;xs:sequence&gt;           &lt;xs:element maxOccurs="unbounded" name="concept"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Verwijst naar een SNOMED-concept.&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;             &lt;xs:complexType&gt;               &lt;xs:sequence&gt;                 &lt;xs:element name="desc"&gt;                   &lt;xs:complexType&gt;                     &lt;xs:simpleContent&gt;                       &lt;xs:extension base="xs:string"&gt;                         &lt;xs:attribute name="language"/&gt;                       &lt;/xs:extension&gt;                     &lt;/xs:simpleContent&gt;                   &lt;/xs:complexType&gt;                 &lt;/xs:element&gt;               &lt;/xs:sequence&gt;             &lt;/xs:complexType&gt;           &lt;/xs:element&gt;           &lt;xs:attribute name="code" type="xs:string" use="required"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;Het SNOMED-id&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:attribute&gt;           &lt;xs:attribute name="codeSystem" type="xs:string" use="required"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval altijd SNOMED).&lt;/xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:attribute&gt;           &lt;xs:attribute name="codeSystemName" type="xs:string" use="optional"&gt;             &lt;xs:annotation&gt;               &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval SNOMED CT).&lt;/ xs:documentation&gt;             &lt;/xs:annotation&gt;           &lt;/xs:attribute&gt;         &lt;/xs:sequence&gt;       &lt;/xs:complexType&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; &lt;/xs:complexType&gt;</pre>																											

```

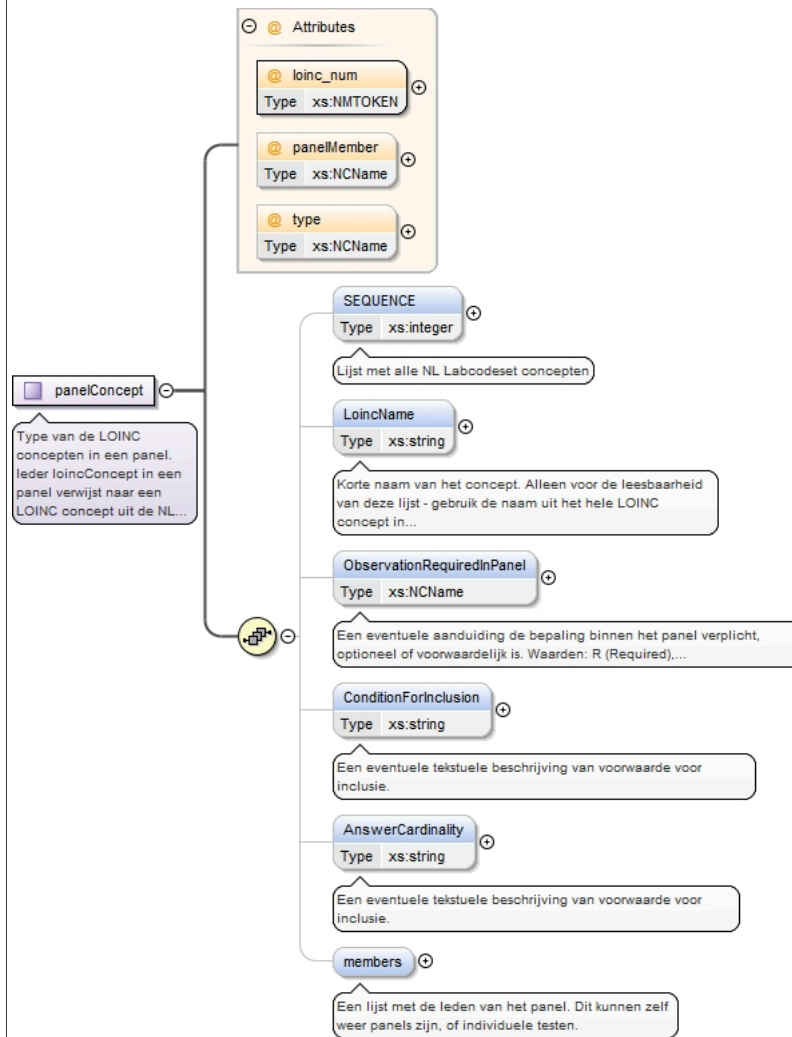
</xs:attribute>
<xs:attribute name="displayName" type="xs:string" use="required">
  <xs:annotation>
    <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>
  </xs:annotation>
</xs:attribute>
<xs:attribute name="level" type="xs:string" use="optional">
  <xs:annotation>
    <xs:documentation>In 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="valueSetStatus"/>
</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} , AnswerCardinality{0,1} , members{0,1}			
Children	AnswerCardinality, ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members			
Attributes	<b>QName</b>	<b>Type</b>	<b>Use</b>	
	<b>loinc_num</b>	xs:NMTOKEN	required	
	<b>panelMember</b>	xs:NCName	optional	
	<b>type</b>	xs:NCName	optional	
Source	<pre> &lt;xs:complexType name="panelConcept"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Type van de LOINC concepten in een panel. Ieder loincConcept in een panel verwijst naar een LOINC concept uit de NL Labcodeset.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt;   &lt;xs:sequence&gt;     &lt;xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Lijst met alle NL Labcodeset concepten&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst - gebruik de naam uit het hele LOINC concept in uw toepassing.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional)&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="ConditionForInclusion" type="xs:string" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="AnswerCardinality" type="xs:string" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Een eventuele tekstuele beschrijving van voorwaarde voor inclusie.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;     &lt;xs:element name="members" type="xs:sequence" minOccurs="0" maxOccurs="1"&gt;       &lt;xs:annotation&gt;         &lt;xs:documentation&gt;Een lijst met de leden van het panel. Dit kunnen zelf weer panels zijn, of individuele testen.&lt;/xs:documentation&gt;       &lt;/xs:annotation&gt;     &lt;/xs:element&gt;   &lt;/xs:sequence&gt; </pre>			

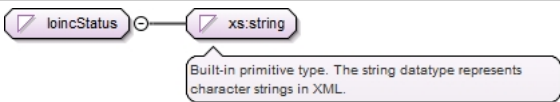
```

</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="AnswerCardinality" 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>

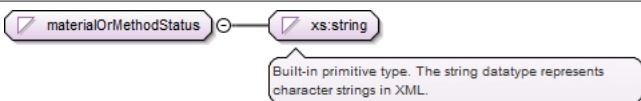
```

## 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	<pre> &lt;xs:simpleType name="loincStatus"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="ACTIVE"/&gt;     &lt;xs:enumeration value="DEPRECATED"/&gt;     &lt;xs:enumeration value="DISCOURAGED"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	

### Simple Type materialOrMethodStatus

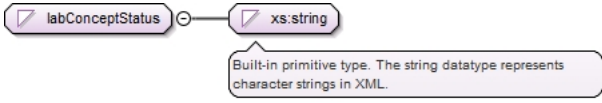
Namespace	No namespace	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	draft
	enumeration	active
	enumeration	retired
Used by	Attributes	lab_concept/materials/material/@status, lab_concept/methods/method/@status, materialDefinition/@status
Source	<pre> &lt;xs:simpleType name="materialOrMethodStatus"&gt; </pre>	

```

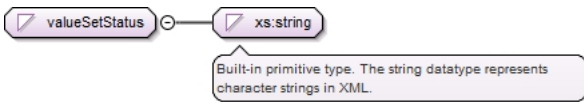
<xs:restriction base="xs:string">
  <xs:enumeration value="draft"/>
  <xs:enumeration value="active"/>
  <xs:enumeration value="retired"/>
</xs:restriction>
</xs:simpleType>

```

### Simple Type labConceptStatus

Namespace	No namespace	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	active
	enumeration	retired
Used by	Attribute	lab_concept/@status
Source	<pre> &lt;xs:simpleType name="labConceptStatus"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="active"/&gt;     &lt;xs:enumeration value="retired"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	

### Simple Type valueSetStatus

Namespace	No namespace	
Diagram		
Type	restriction of xs:string	
Facets	enumeration	final
Used by	Attribute	valueSetDefinition/@statusCode
Source	<pre> &lt;xs:simpleType name="valueSetStatus"&gt;   &lt;xs:restriction base="xs:string"&gt;     &lt;xs:enumeration value="final"/&gt;   &lt;/xs:restriction&gt; &lt;/xs:simpleType&gt; </pre>	

## Attribute(s)

### Attribute desc / @language

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

### Attribute loincConcept / map / @from

Namespace	No namespace	
Used by	Element	loincConcept/map
Source	<pre> &lt;xs:attribute name="from"/&gt; </pre>	

### 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	retired
Used by	Element	lab_concept/materials/material
Source	<code>&lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;</code>	

**Attribute lab\_concept / methods / method / @ref**

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

**Attribute lab\_concept / methods / method / @status**

Namespace	No namespace	
Type	materialOrMethodStatus	
Properties	use:	required
Facets	enumeration	draft
	enumeration	active
	enumeration	retired
Used by	Element	lab_concept/methods/method
Source	<code>&lt;xs:attribute name="status" type="materialOrMethodStatus" use="required"/&gt;</code>	

**Attribute refset / @conceptId**

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

**Attribute refset / @preferredTerm**

Namespace	No namespace	
Properties	use:	required
Used by	Element	refset
Source	<code>&lt;xs:attribute name="preferredTerm" use="required"/&gt;</code>	

**Attribute refset / @src**

Namespace	No namespace	
Type	xs:anyURI	
Properties	use:	required
Used by	Element	refset

Source	<code>&lt;xs:attribute name="src" use="required" type="xs:anyURI"/&gt;</code>
--------	-------------------------------------------------------------------------------

**Attribute lab\_concept / outcomes / valueSet / @ref**

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

**Attribute lab\_concept / units / unit / @ref**

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

**Attribute lab\_concept / @last\_update**

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

**Attribute lab\_concept / @status**

Namespace	No namespace
Type	labConceptStatus
Properties	use: required
Facets	enumeration active
	enumeration retired
Used by	Complex Type lab_concept
Source	<code>&lt;xs:attribute name="status" use="required" type="labConceptStatus"/&gt;</code>

**Attribute lab\_concept / @user**

Namespace	No namespace
Used by	Complex Type lab_concept
Source	<code>&lt;xs:attribute name="user"/&gt;</code>

**Attribute snomedConcept / @code**

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

**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	retired
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	<pre>&lt;xs:attribute name="code" type="xs:string" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Het SNOMED-id&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>	

**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	<pre>&lt;xs:attribute name="codeSystem" type="xs:string" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval altijd SNOMED).&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>	

**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	<pre>&lt;xs:attribute name="codeSystemName" type="xs:string" use="optional"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De OID van het terminologiestelsel (in dit geval SNOMED CT).&lt;/ xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

**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	<pre>&lt;xs:attribute name="displayName" type="xs:string" use="required"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;De fully specified name volgens SNOMED&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

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

**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	<pre>&lt;xs:attribute name="type" type="xs:string" use="optional"&gt;   &lt;xs:annotation&gt;     &lt;xs:documentation&gt;Geeft aan of het een knoop of een blad (L) betreft - in de Labcodeset bevatten de value sets alleen bladeren.&lt;/xs:documentation&gt;   &lt;/xs:annotation&gt; &lt;/xs:attribute&gt;</pre>

**Attribute valueSetDefinition / @displayName**

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

**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	valueSetStatus	
Properties	content:	simple
Facets	enumeration	final
Used by	Complex Type	valueSetDefinition
Source	<xs:attribute name="statusCode" type="valueSetStatus"/>	

**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" />	