

Schema documentation for labcodeset.xsd

september 11, 2024

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Attribute lab_concept / units / unit / @ref	48
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Attribute lab_concept / @status	48
Attribute lab_concept / @user	48
Attribute materialDefinition / @code	49
Attribute materialDefinition / @displayName	49
Attribute materialDefinition / @system	49
Attribute unitDefinition / @id	49
Attribute unitDefinition / @status	49
Attribute valueSetDefinition / conceptList / concept / desc / @language	50
Attribute valueSetDefinition / conceptList / concept / @code	50
Attribute valueSetDefinition / conceptList / concept / @codeSystem	50
Attribute valueSetDefinition / conceptList / concept / @codeSystemName	50
Attribute valueSetDefinition / conceptList / concept / @displayName	50
Attribute valueSetDefinition / conceptList / concept / @level	51
Attribute valueSetDefinition / conceptList / concept / @type	51
Attribute valueSetDefinition / @displayName	51
Attribute valueSetDefinition / @effectiveDate	51
Attribute valueSetDefinition / @id	51
Attribute valueSetDefinition / @name	51
Attribute valueSetDefinition / @statusCode	52
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Attribute panelConcept / @type	52
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Attribute publication / @user	53
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Namespace: ""

Schema(s)

Main schema labcodeset.xsd

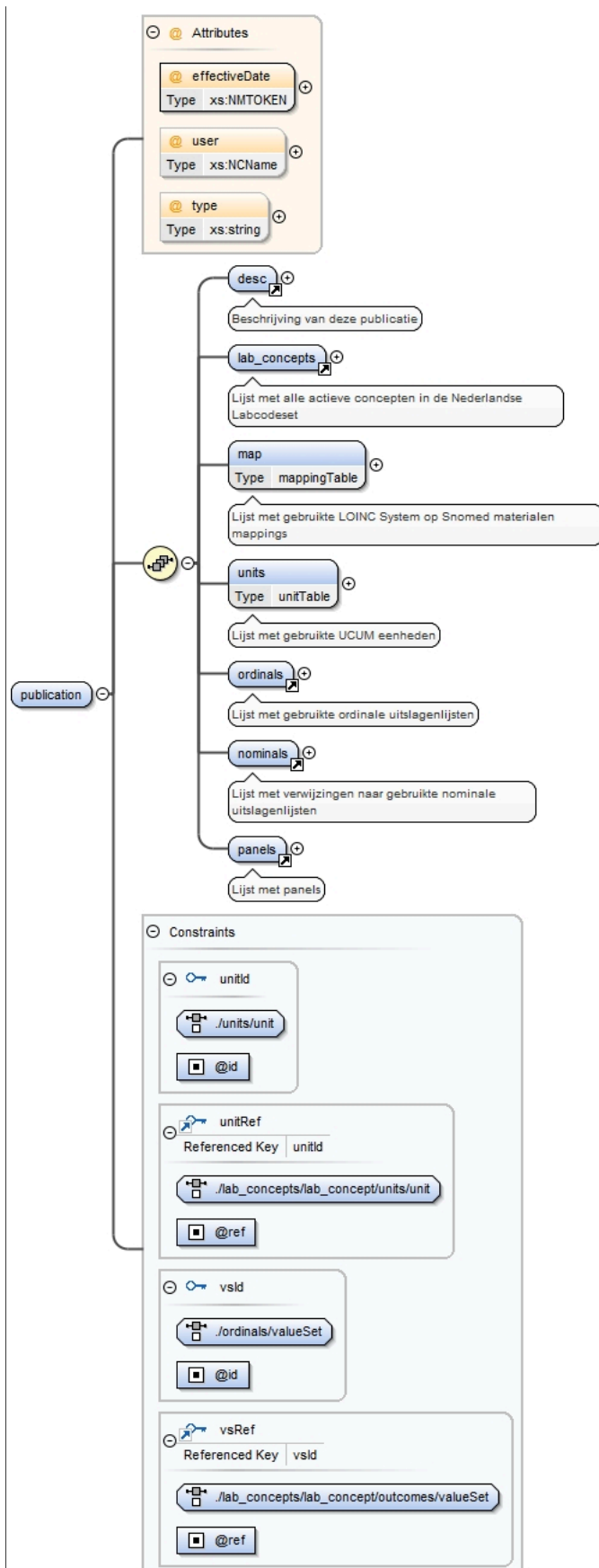
Namespace	No namespace
Properties	attribute form default: unqualified
	element form default: qualified

Element(s)

Element publication

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

Diagram



Properties content: complex

Model desc , lab_concepts , map , units , ordinals , nominals , panels

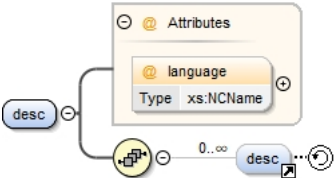
Children	desc, lab_concepts, map, nominals, ordinals, panels, units				
Instance	<pre> <publication effectiveDate=" " type=" " user=" "> <desc language=" " {1,1}</desc> <lab_concepts {1,1}</lab_concepts> <map {1,1}</map> <units {1,1}</units> <ordinals {1,1}</ordinals> <nominals {1,1}</nominals> <panels {1,1}</panels> </publication> </pre>				
Attributes	QName	Type	Use		
	effectiveDate	xs:NMTOKEN	required		
	type	xs:string	optional		
	user	xs:NCName	optional		
Identity constraints	QName	Type	Refer	Selector	Field(s)
	unitId	key		./units/unit	@id
	unitRef	keyref	unitId	./lab_concepts/lab_concept/units/unit	@ref
	vsId	key		./ordinals/valueSet	@id
	vsRef	keyref	vsId	./lab_concepts/lab_concept/outcomes/valueSet	@ref
Source	<pre> <xs:element name="publication"> <xs:complexType> <xs:sequence> <xs:element ref="desc"> <xs:annotation> <xs:documentation>Beschrijving van deze publicatie</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="lab_concepts"> <xs:annotation> <xs:documentation>Lijst met alle actieve concepten in de Nederlandse Labcodeset</xs:documentation> </xs:annotation> </xs:element> <xs:element name="map" type="mappingTable"> <xs:annotation> <xs:documentation>Lijst met gebruikte LOINC System op Snomed materialen mappings</xs:documentation> </xs:annotation> </xs:element> <xs:element name="units" type="unitTable"> <xs:annotation> <xs:documentation>Lijst met gebruikte UCUM eenheden</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="ordinals"> <xs:annotation> <xs:documentation>Lijst met gebruikte ordinale uitslagenlijsten</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="nominals"> <xs:annotation> <xs:documentation>Lijst met verwijzingen naar gebruikte nominale uitslagenlijsten</xs:documentation> </xs:annotation> </xs:element> <xs:element ref="panels"> <xs:annotation> <xs:documentation>Lijst met panels</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="effectiveDate" use="required" type="xs:NMTOKEN"/> <xs:attribute name="user" use="optional" type="xs:NCName"/> <xs:attribute name="type" use="optional" type="xs:string"/> </xs:complexType> <xs:key name="unitId"> <xs:selector xpath="./units/unit"/> <xs:field xpath="@id"/> </xs:key> <xs:keyref refer="unitId" name="unitRef"> <xs:selector xpath="./lab_concepts/lab_concept/units/unit"/> <xs:field xpath="@ref"/> </xs:keyref> </pre>				

```

</xs:keyref>
<xs:key name="vsId">
  <xs:selector xpath="./ordinals/valueSet"/>
  <xs:field xpath="@id"/>
</xs:key>
<xs:keyref refer="vsId" name="vsRef">
  <xs:selector xpath="./lab_concepts/lab_concept/outcomes/valueSet"/>
  <xs:field xpath="@ref"/>
</xs:keyref>
</xs:element>

```

Element desc

Namespace	No namespace			
Diagram				
Properties	content:	complex		
	mixed:	true		
Used by	Elements	desc, publication		
Model	desc*			
Children	desc			
Instance	<pre><desc language=""> <desc language="">{0,unbounded}</desc> </desc></pre>			
Attributes	QName	Type	Use	
	language	xs:NCName	optional	
Source	<pre><xs:element name="desc"> <xs:complexType mixed="true"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" ref="desc"/> </xs:sequence> <xs:attribute name="language" type="xs:NCName"/> </xs:complexType> </xs:element></pre>			

Element lab_concepts

Namespace	No namespace		
Annotations	Lijst met alle NL Labcodeset concepten		
Diagram	<pre>graph LR lab_concepts[lab_concepts] -- "1..∞" --> lab_concept[lab_concept] lab_concepts -- "1..∞" --> lab_concept lab_concepts -- "1..∞" --> lab_concept</pre>		
Properties	content:	complex	
Used by	Element	publication	
Model	lab_concept+		
Children	lab_concept		
Instance	<pre><lab_concepts> <lab_concept last_update="" status="" user="">{1,unbounded}</lab_concept> </lab_concepts></pre>		
Source	<pre><xs:element name="lab_concepts"> <xs:annotation> <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" name="lab_concept" type="lab_concept"/> </xs:sequence> </xs:complexType> </xs:element></pre>		

```

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

```

Element lab_concepts / lab_concept

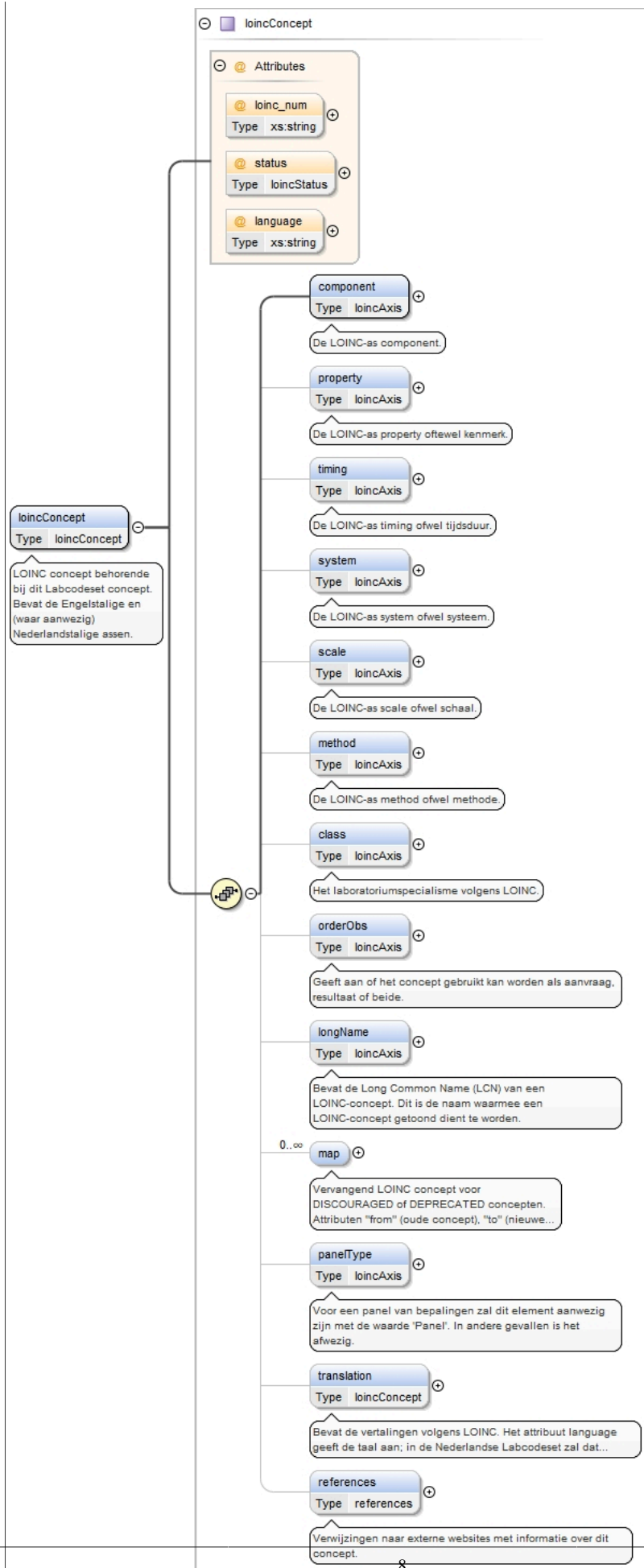
Namespace	No namespace			
Diagram				
Type	lab_concept			
Properties	content:	complex		
	maxOccurs:	unbounded		
Model	loincConcept , materials{0,1} , outcomes{0,1} , units{0,1} , retired-reason{0,1} , retired-replacement{0,1} , releasenote{0,1}			
Children	loincConcept, materials, outcomes, releasenote, retired-reason, retired-replacement, units			
Instance	<pre><lab_concept last_update="" status="" user=""> <loincConcept language="" loinc_num="" status="">{1,1}</loincConcept> <materials>{0,1}</materials> <outcomes>{0,1}</outcomes> <units>{0,1}</units> <retired-reason>{0,1}</retired-reason> <retired-replacement>{0,1}</retired-replacement> <releasenote>{0,1}</releasenote> </lab_concept></pre>			
Attributes	QName	Type	Use	
	last_update	xs:dateTime	optional	

	QName	Type	Use	
	status	labConceptStatus	required	
	user		optional	
Source	<xs:element maxOccurs="unbounded" name="lab_concept" type="lab_concept"/>			

Element lab_concept / loincConcept

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

Diagram



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

Element loincConcept / component

Namespace	No namespace
Annotations	De LOINC-as component.
Diagram	
Type	loincAxis
Properties	content: complex minOccurs: 1 maxOccurs: 1
Source	<pre> <xs:element name="component" type="loincAxis" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as component.</xs:documentation> </xs:annotation> </xs:element> </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><xs:element name="property" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as property oftewel kenmerk.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="timing" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as timing ofwel tijdsduur.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="system" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as system ofwel systeem.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="scale" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as scale ofwel schaal.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="method" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De LOINC-as method ofwel methode.</xs:documentation> </xs:annotation> </xs:element></pre>

Element loincConcept / class

Namespace	No namespace
Annotations	Het laboratoriumspecialisme volgens LOINC.
Diagram	
Type	loincAxis
Properties	content: complex
	minOccurs: 0
	maxOccurs: 1
Source	<pre><xs:element name="class" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Het laboratoriumspecialisme volgens LOINC.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="orderObs" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Geeft aan of het concept gebruikt kan worden als aanvraag, resultaat of beide.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="longName" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Bevat de Long Common Name (LCN) van een LOINC-concept. Dit is de naam waarmee een LOINC-concept getoond dient te worden.</xs:documentation> </xs:annotation> </xs:element></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	content:	complex		
	minOccurs:	0		
	maxOccurs:	unbounded		
Attributes	QName	Type	Use	
	comment		optional	
	from		optional	
	to		optional	
Source	<pre><xs:element name="map" minOccurs="0" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Vervangend LOINC concept voor DISCOURAGED of DEPRECAT ED concepten. Attributen "from" (oude concept), "to" (nieuwe concept) en "comment" (toelichting).</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="from"/> <xs:attribute name="to"/> <xs:attribute name="comment"/> </xs:complexType> </xs:element></pre>			

Element loincConcept / panelType

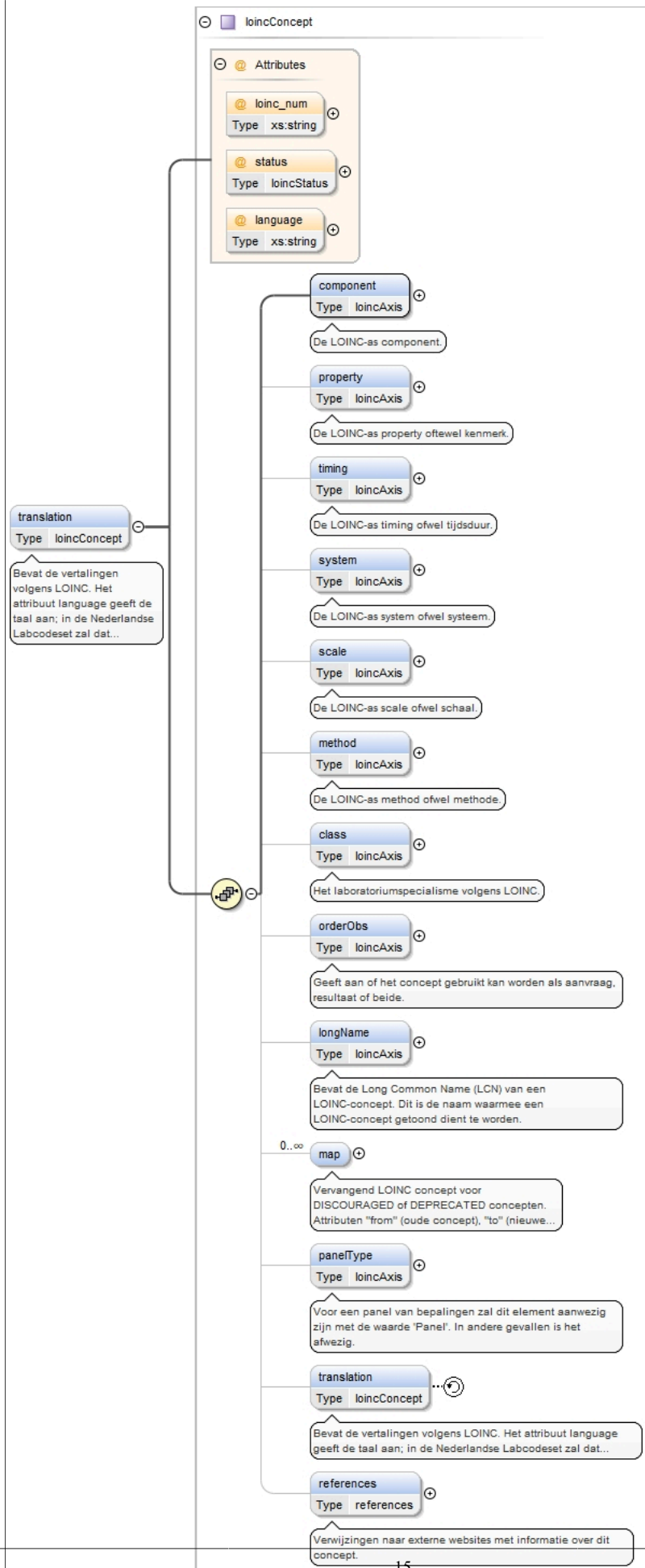
Namespace	No namespace		
Annotations	Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.		
Diagram	<p>The diagram illustrates the type hierarchy for the 'panelType' element. It shows 'panelType' as a 'Type' with a base type of 'loincAxis'. 'loincAxis' is a 'Base Type' with a base type of 'xs:string'. 'xs:string' is a 'Built-in primitive type' that represents character strings in XML. A callout box for 'panelType' explains that it is present with the value 'Panel' for panel specifications and absent otherwise.</p>		
Type	loincAxis		
Properties	content:	complex	
	minOccurs:	0	
	maxOccurs:	1	
Source	<pre><xs:element name="panelType" type="loincAxis" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Voor een panel van bepalingen zal dit element aanwezig zijn met de waarde 'Panel'. In andere gevallen is het afwezig.</xs:documentation> </xs:annotation> </xs:element></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



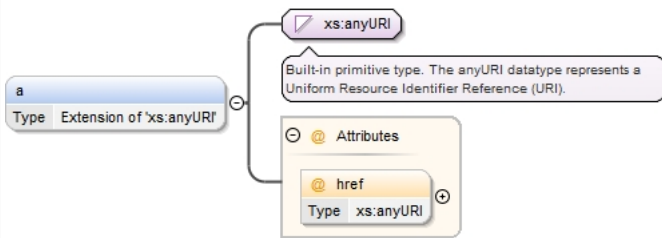
Type	loincConcept			
Properties	content: complex			
	minOccurs: 0			
Model	component , property{0,1} , timing{0,1} , system{0,1} , scale{0,1} , method{0,1} , class{0,1} , orderObs{0,1} , longName{0,1} , map* , panelType{0,1} , translation{0,1} , references{0,1}			
Children	class, component, longName,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

Element loincConcept / references

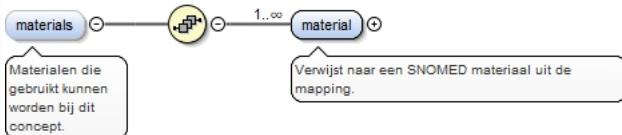
Namespace	No namespace
Annotations	Verwijzingen naar externe websites met informatie over dit concept.
Diagram	
Type	references
Properties	content: complex
	minOccurs: 0
Model	a*
Children	a
Instance	<pre> <references> {0,unbounded} </references> </pre>
Source	<pre> <xs:element name="references" type="references" minOccurs="0"> <xs:annotation> <xs:documentation>Verwijzingen naar externe websites met informatie over dit concept.</ </xs:annotation> </xs:element> </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 Reference (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><xs:element name="a" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:anyURI"> <xs:attribute name="href" type="xs:anyURI" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element></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><materials> <material code="" displayName="">{1,unbounded}</material> </materials></pre>						
Source	<pre><xs:element name="materials" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Materialen die gebruikt kunnen worden bij dit concept.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="material" minOccurs="1" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Verwijst naar een SNOMED materiaal uit de mapping.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="code" type="xs:string" use="required"/> <xs:attribute name="displayName" type="xs:string" use="required"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>						

Element lab_concept / materials / material

Namespace	No namespace		
Annotations	Verwijst naar een SNOMED materiaal uit de mapping.		

Diagram				
Properties	content:	complex		
	minOccurs:	1		
	maxOccurs:	unbounded		
Attributes	QName	Type	Use	
	code	xs:string	required	
	displayName	xs:string	required	
Source	<pre> <xs:element name="material" minOccurs="1" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Verwijst naar een SNOMED materiaal uit de mapping.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="code" type="xs:string" use="required"/> <xs:attribute name="displayName" type="xs:string" use="required"/> </xs:complexType> </xs:element> </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><outcomes> <refset conceptId=" " preferredTerm=" " src=" ">{1,1}</refset> <valueSet ref=" ">{1,1}</valueSet> </outcomes></pre>		
Source	<pre><xs:element name="outcomes" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Bevat de lijst van mogelijke nominale of ordinale uitkomsten.</xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0"> <xs:element ref="refset"> <xs:annotation> <xs:documentation>Verwijst naar een referentieset in SNOMED. U kunt deze vinden in de Nederlandse SNOMED-editie met behulp van het gegeven conceptId.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="valueSet"> <xs:annotation> <xs:documentation>"Verwijst naar de lijst van mogelijke ordinale uitkomsten."</xs:documentation> </xs:annotation> </xs:element> </xs:choice> </xs:complexType> <xs:attribute name="ref" type="xs:string"/> </xs:element></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	QName	Type	Use	
	conceptId	xs:integer	required	
	preferredTerm		required	
	src	xs:anyURI	required	
Source	<pre> <xs:element name="refset"> <xs:annotation> <xs:documentation>Verwijzing naar een nominale refset.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="conceptId" use="required" type="xs:integer" /> <xs:attribute name="preferredTerm" use="required" /> <xs:attribute name="src" use="required" type="xs:anyURI" /> </xs:complexType> </xs:element> </pre>			

Element lab_concept / outcomes / valueSet

Namespace	No namespace			
Annotations	"Verwijst naar de lijst van mogelijke ordinale uitkomsten."			
Diagram				
Properties	content:	complex		
Attributes	QName	Type	Use	
	ref	xs:string	optional	
Source	<pre> <xs:element name="valueSet"> <xs:annotation> <xs:documentation>"Verwijst naar de lijst van mogelijke ordinale uitkomsten."</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="ref" type="xs:string" /> </xs:complexType> </xs:element> </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><units> <unit ref="">{1,1}</unit> </units></pre>						
Source	<pre><xs:element name="units" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Eenheden (units) die gebruikt worden bij dit concept.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="unit"> <xs:annotation> <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="ref" type="xs:string"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element></pre>						

Element lab_concept / units / unit

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

Element publication / map

Namespace	No namespace
Annotations	Lijst met gebruikte LOINC System op Snomed materialen mappings

Diagram	
Type	mappingTable
Properties	content: complex
Model	material+
Children	material
Instance	<pre><map> <material code="" displayName="" system="">{1,unbounded}</material> </map></pre>
Source	<pre><xs:element name="map" type="mappingTable"> <xs:annotation> <xs:documentation>Lijst met gebruikte LOINC System op Snomed materialen mappings</ xs:documentation> </xs:annotation> </xs:element></pre>

Element mappingTable / material

Namespace	No namespace			
Diagram	<div><div>material Type materialDefinition</div><div><div>materialDefinition</div><div><div>Attributes</div><div><div>code</div><div>Type xs:integer</div><div>De SNOMED code.</div></div><div><div>displayName</div><div>Type xs:string</div><div>De SNOMED weergavenaam.</div></div><div><div>system</div><div>Type xs:string</div><div>Het LOINC System.</div></div></div></div><div>Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd kan worden, bv. urine.</div></div>			
Type	materialDefinition			
Properties	content:	complex		
	maxOccurs:	unbounded		
Attributes	QName	Type	Use	
	code	xs:integer	optional	
		De SNOMED code.		
	displayName	xs:string	optional	
		De SNOMED weergavenaam.		
	system	xs:string	optional	
		Het LOINC System.		
Source	<xs:element name="material" type="materialDefinition" maxOccurs="unbounded"/>			

Element publication / units

Namespace	No namespace
Annotations	Lijst met gebruikte UCUM eenheden

Diagram	
Type	unitTable
Properties	content: complex
Model	unit+
Children	unit
Instance	<pre><units> <unit id=" " status=" " {1,unbounded}</unit> </units></pre>
Source	<pre><xs:element name="units" type="unitTable"> <xs:annotation> <xs:documentation>Lijst met gebruikte UCUM eenheden</xs:documentation> </xs:annotation> </xs:element></pre>

Element unitTable / unit

Namespace	No namespace			
Diagram				
Type	unitDefinition			
Properties	content:	complex		
	maxOccurs:	unbounded		
Model	rm , name{0,1} , nlname			
Children	name, nlname, rm			
Instance	<pre><unit id=" " status=" "> <rm>{1,1}</rm> <name>{0,1}</name> <nlname>{1,1}</nlname> </unit></pre>			
Attributes	QName	Type	Use	
	id	xs:string	optional	
	status	xs:string	optional	
Source	<xs:element name="unit" maxOccurs="unbounded" type="unitDefinition" />			

Element unitDefinition / rm

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

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

Element unitDefinition / name

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

Element unitDefinition / nlname

Namespace	No namespace
Annotations	De Nederlandse weergavenaam.
Diagram	
Properties	minOccurs: 1 maxOccurs: 1
Source	<pre><xs:element name="nlname" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>De Nederlandse weergavenaam.</xs:documentation> </xs:annotation> </xs:element></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><ordinals> <valueSet displayName="" effectiveDate="" id="" name="" statusCode="" versionLabel="">{1,unbounded}</valueSet> </ordinals></pre>
Source	<pre><xs:element name="ordinals"></pre>


```

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

```

Element `ordinals` / `valueSet`

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

Element `valueSetDefinition` / `conceptList`

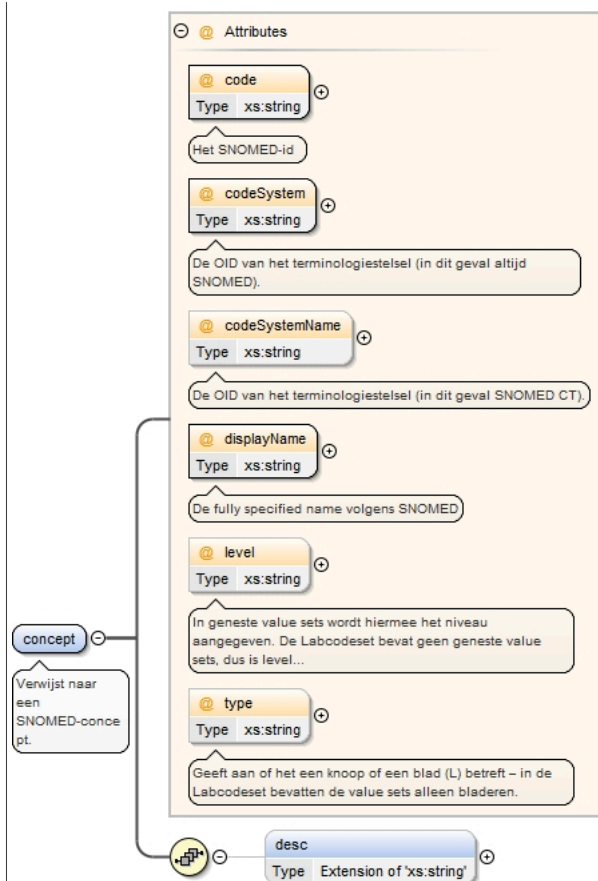
Namespace	No namespace			
Annotations	Bevat een lijst van SNOMED-concepten.			
Diagram				

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

Element valueSetDefinition / conceptList / concept

Namespace	No namespace
Annotations	Verwijst naar een SNOMED-concept.

Diagram



Properties

content:	complex
maxOccurs:	unbounded

Model

desc{0,1}

Children

desc

Instance

```
<concept code="" codeSystem="" codeSystemName="" displayName="" level="" type="">
  <desc language="">{0,1}</desc>
</concept>
```

Attributes

QName	Type	Use	
code	xs:string	required	
	Het SNOMED-id		
codeSystem	xs:string	required	
	De OID van het terminologiestelsel (in dit geval altijd SNOMED).		
codeSystemName	xs:string	optional	
	De OID van het terminologiestelsel (in dit geval SNOMED CT).		
displayName	xs:string	required	
	De fully specified name volgens SNOMED		
level	xs:string	optional	
	In geneste value sets wordt hiermee het niveau aangegeven. De Labcodeset bevat geen geneste value sets, dus is level altijd 0.		
type	xs:string	optional	
	Geeft aan of het een knoop of een blad (L) betreft - in de Labcodeset bevatten de value sets alleen bladeren.		

Source

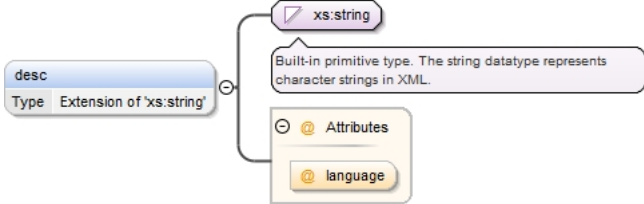
```
<xs:element maxOccurs="unbounded" name="concept">
  <xs:annotation>
    <xs:documentation>Verwijst naar een SNOMED-concept.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="desc" minOccurs="0">
        <xs:complexType>
```

```

        <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		
	minOccurs:	0		
Attributes	QName	Type	Use	
	language		optional	
Source	<pre> <xs:element name="desc" minOccurs="0"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="language" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </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><nominals> <refset conceptId=" " preferredTerm=" " src=" ">{1,1}</refset> </nominals></pre>
Source	<pre><xs:element name="nominals"> <xs:annotation> <xs:documentation>Tabel met nominale lijsten.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element ref="refset"/> </xs:sequence> </xs:complexType> </xs:element></pre>

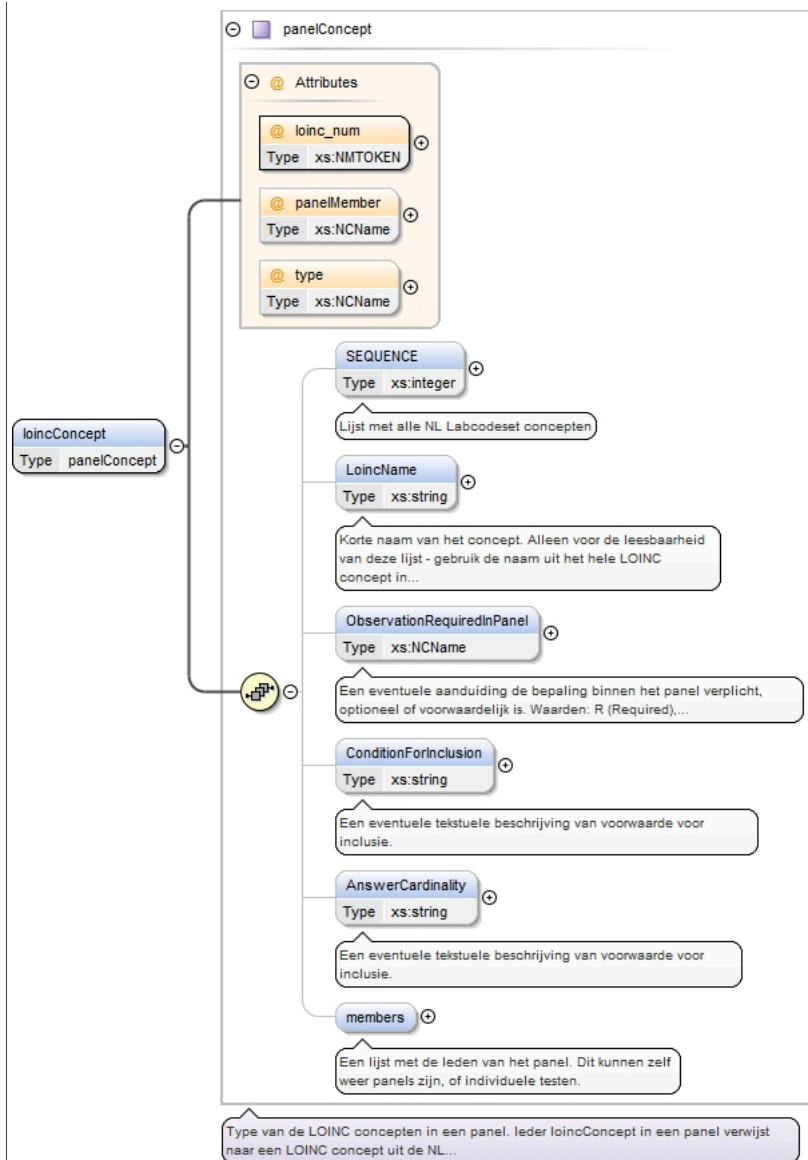
Element panels

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

Element panels / loincConcept

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

Diagram



Type panelConcept

Properties content: complex

maxOccurs: unbounded

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

Children AnswerCardinality, ConditionForInclusion, LoincName, ObservationRequiredInPanel, SEQUENCE, members

Instance

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

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

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

Element panelConcept / SEQUENCE

Namespace	No namespace						
Annotations	Lijst met alle NL Labcodeset concepten						
Diagram							
Type	xs:integer						
Properties	<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><xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst - gebruik de naam uit het hele LOINC concept in uw toepassing.</xs:documentation> </xs:annotation> </xs:element></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><xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName"> <xs:annotation> <xs:documentation>Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional)</xs:documentation> </xs:annotation> </xs:element></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><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></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><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></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><members> <loincConcept loinc_num=" " panelMember=" " type=" ">{0,unbounded}</loincConcept> </members></pre>						

Source	<pre> <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> </pre>
--------	---

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> <loincConcept loinc_num=" " panelMember=" " type=" "> <SEQUENCE>{0,1}</SEQUENCE> </pre>						

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

Complex Type(s)

Complex Type lab_concept

Namespace	No namespace			
Diagram				
Used by	Element lab_concepts/lab_concept			
Model	loincConcept , materials{0,1} , outcomes{0,1} , units{0,1} , retired-reason{0,1} , retired-replacement{0,1} , releasenote{0,1}			
Children	loincConcept, materials, outcomes, releasenote, retired-reason, retired-replacement, units			
Attributes	QName	Type	Use	
	last_update	xs:dateTime	optional	
	status	labConceptStatus	required	

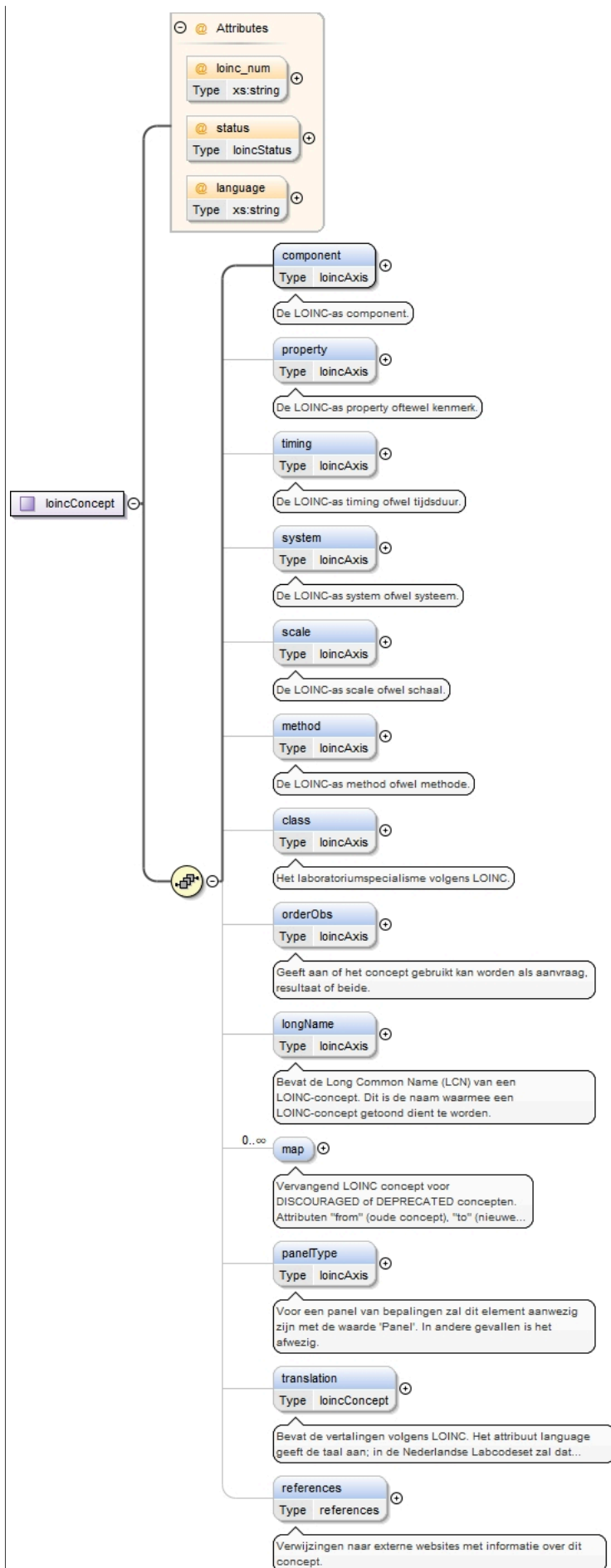
	QName	Type	Use	
	user		optional	
Source	<pre> <xs:complexType name="lab_concept"> <xs:sequence> <xs:element name="loincConcept" type="loincConcept"> <xs:annotation> <xs:documentation>LOINC concept behorende bij dit Labcodeset concept. Bevat de Engelstalige en (waar aanwezig) Nederlandstalige assen.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="materials" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Materialen die gebruikt kunnen worden bij dit concept.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="material" minOccurs="1" maxOccurs="unbounded"> <xs:annotation> <xs:documentation>Verwijst naar een SNOMED materiaal uit de mapping.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="code" type="xs:string" use="required"/> <xs:attribute name="displayName" type="xs:string" use="required"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs:element name="outcomes" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Bevat de lijst van mogelijke nominale of ordinale uitkomsten.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:choice minOccurs="0"> <xs:element ref="refset"> <xs:annotation> <xs:documentation>Verwijst naar een referentieset in SNOMED. U kunt deze vinden in de Nederlandse SNOMED-editie met behulp van het gegeven conceptId.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="valueSet"> <xs:annotation> <xs:documentation>Verwijst naar de lijst van mogelijke ordinale uitkomsten."</ xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="ref" type="xs:string"/> </xs:complexType> </xs:element> </xs:choice> </xs:complexType> </xs:element> <xs:element name="units" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Eenheden (units) die gebruikt worden bij dit concept.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="unit"> <xs:annotation> <xs:documentation>Verwijst naar een eenheid (unit) in de eenhedenlijst.</ xs:documentation> </xs:annotation> <xs:complexType> <xs:attribute name="ref" type="xs:string"/> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </xs:element> <xs: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:sequence> </xs:complexType> </pre>			

```
        </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



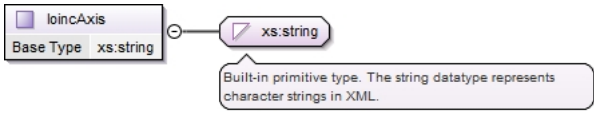
Used by	lab_concept/loincConcept, loincConcept/translation			
Model	component {0,1} , timing {0,1} , system {0,1} , scale {0,1} , method {0,1} , class {0,1} , orderObs {0,1} , longName {0,1} , map* , panelType {0,1} , translation {0,1} , references {0,1}			
Children	class, component, longName, map, method,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

Complex Type references

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

Complex Type mappingTable

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

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

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 mappingTable/material			
Attributes	QName	Type	Use	
	code	xs:integer	optional	
		De SNOMED code.		
	displayName	xs:string	optional	
		De SNOMED weergavenaam.		
	system	xs:string	optional	
		Het LOINC System.		
Source	<pre><xs:complexType name="materialDefinition"> <xs:annotation> <xs:documentation>Een materiaal, d.w.z. een monster (specimen) waarin een bepaling uitgevoerd kan worden, bv. urine.</xs:documentation> </xs:annotation> <xs:attribute name="code" type="xs:integer"> <xs:annotation> <xs:documentation>De SNOMED code.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="displayName" type="xs:string"> <xs:annotation> <xs:documentation>De SNOMED weergavenaam.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="system" type="xs:string"> <xs:annotation> <xs:documentation>Het LOINC System.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType></pre>			

Complex Type unitTable

Namespace	No namespace			
Diagram				
Used by	Element publication/units			
Model	unit+			
Children	unit			
Source	<pre> <xs:complexType name="unitTable"> </pre>			


```

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

```

Complex Type unitDefinition

Namespace	No namespace														
Annotations	Een eenheid in de eenhedenlijst.														
Diagram															
Used by	Element	unitTable/unit													
Model	rm , name{0,1} , nlname														
Children	name, nlname, rm														
Attributes	<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	<pre><xs:complexType name="unitDefinition"> <xs:annotation> <xs:documentation>Een eenheid in de eenhedenlijst.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="rm" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>De UCUM-expressie, de officiële notatie van de eenheid.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="name" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>De Engelse weergavenaam.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="nlname" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>De Nederlandse weergavenaam.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> <xs:attribute name="id" type="xs:string"/> <xs:attribute name="status" type="xs:string"/> </xs:complexType></pre>														

Complex Type valueSetDefinition

Namespace	No namespace
Annotations	Definitie van een ordinale lijst.

Diagram				
Used by	Element	ordinals/valueSet		
Model	conceptList			
Children	conceptList			
Attributes	QName	Type	Use	
	displayName	xs:string	required	
	effectiveDate	xs:dateTime	optional	
	id	xs:string	optional	
	name	xs:string	optional	
	statusCode	valueSetStatus	optional	
	versionLabel		optional	
Source	<pre><xs:complexType name="valueSetDefinition"> <xs:annotation> <xs:documentation>Definitie van een ordinale lijst.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="conceptList" minOccurs="1" maxOccurs="1"> <xs:annotation> <xs:documentation>Bevat een lijst van SNOMED-concepten.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element maxOccurs="unbounded" name="concept"> <xs:annotation> <xs:documentation>Verwijst naar een SNOMED-concept.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="desc" minOccurs="0"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="language"/> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> <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"></pre>			

```

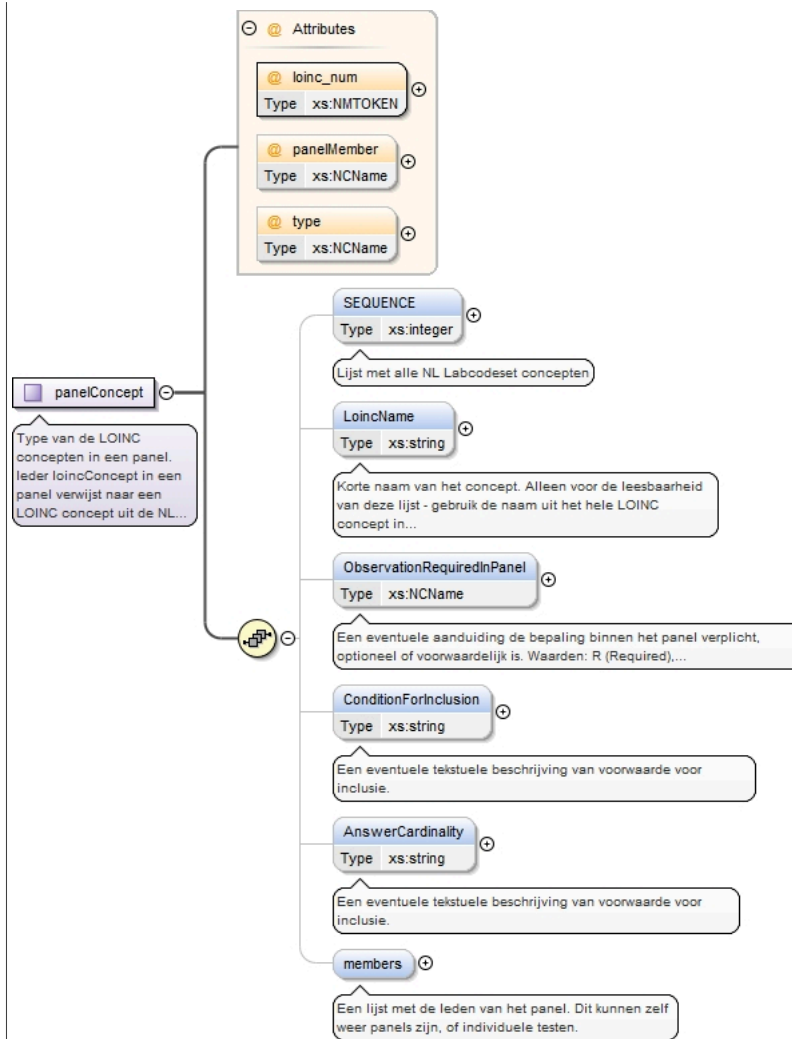
        <xs:annotation>
          <xs:documentation>De OID van het terminologiestelsel (in dit geval SNOMED CT).</
xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="displayName" type="xs:string" use="required">
        <xs:annotation>
          <xs:documentation>De fully specified name volgens SNOMED</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="level" type="xs:string" use="optional">
        <xs:annotation>
          <xs:documentation>In geneste value sets wordt hiermee het niveau aangegeven. De
Labcodeset bevat geen geneste value sets, dus is level altijd 0.</xs:documentation>
        </xs:annotation>
      </xs:attribute>
      <xs:attribute name="type" type="xs:string" use="optional">
        <xs:annotation>
          <xs:documentation>Geeft aan of het een knoop of een blad (L) betreft - in de
Labcodeset bevatten de value sets alleen bladeren.</xs:documentation>
        </xs:annotation>
      </xs:attribute>
    </xs:complexType>
  </xs:element>
</xs:sequence>
</xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="displayName" use="required" type="xs:string"/>
<xs:attribute name="effectiveDate" type="xs:dateTime"/>
<xs:attribute name="id" type="xs:string"/>
<xs:attribute name="name" type="xs:string"/>
<xs:attribute name="statusCode" type="valueSetStatus"/>
<xs:attribute name="versionLabel"/>
</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	QName	Type	Use	
	loinc_num	xs:NMTOKEN	required	
	panelMember	xs:NCName	optional	
	type	xs:NCName	optional	
Source	<pre> <xs:complexType name="panelConcept"> <xs:annotation> <xs:documentation>Type van de LOINC concepten in een panel. Ieder loincConcept in een panel verwijst naar een LOINC concept uit de NL Labcodeset.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="SEQUENCE" type="xs:integer" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Lijst met alle NL Labcodeset concepten</xs:documentation> </xs:annotation> </xs:element> <xs:element name="LoincName" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Korte naam van het concept. Alleen voor de leesbaarheid van deze lijst - gebruik de naam uit het hele LOINC concept in uw toepassing.</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ObservationRequiredInPanel" minOccurs="0" maxOccurs="1" type="xs:NCName"> <xs:annotation> <xs:documentation>Een eventuele aanduiding de bepaling binnen het panel verplicht, optioneel of voorwaardelijk is. Waarden: R (Required), O (Optional) of C (Conditional)</xs:documentation> </xs:annotation> </xs:element> <xs:element name="ConditionForInclusion" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Een eventuele tekstuele beschrijving van voorwaarde voor inclusie. </xs:annotation> </xs:element> <xs:element name="AnswerCardinality" type="xs:string" minOccurs="0" maxOccurs="1"> <xs:annotation> <xs:documentation>Een eventuele tekstuele beschrijving van voorwaarde voor inclusie. </xs:annotation> </xs:element> <xs:element name="members" type="xs:anyType" 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:annotation> </xs:element> </xs:sequence> </pre>			

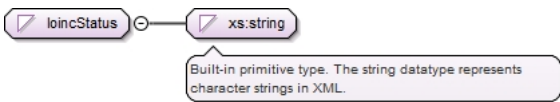
```

</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>

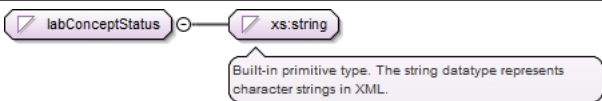
```

Simple Type(s)

Simple Type loincStatus

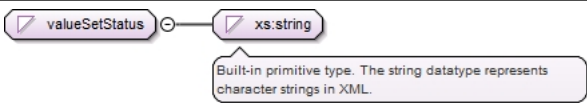
Namespace	No namespace						
Diagram							
Type	restriction of xs:string						
Facets	<table border="1"> <tr> <td>enumeration</td><td>ACTIVE</td></tr> <tr> <td>enumeration</td><td>DEPRECATED</td></tr> <tr> <td>enumeration</td><td>DISCOURAGED</td></tr> </table>	enumeration	ACTIVE	enumeration	DEPRECATED	enumeration	DISCOURAGED
enumeration	ACTIVE						
enumeration	DEPRECATED						
enumeration	DISCOURAGED						
Used by	Attribute loincConcept/@status						
Source	<pre> <xs:simpleType name="loincStatus"> <xs:restriction base="xs:string"> <xs:enumeration value="ACTIVE"/> <xs:enumeration value="DEPRECATED"/> <xs:enumeration value="DISCOURAGED"/> </xs:restriction> </xs:simpleType> </pre>						

Simple Type labConceptStatus

Namespace	No namespace				
Diagram					
Type	restriction of xs:string				
Facets	<table border="1"> <tr> <td>enumeration</td><td>active</td></tr> <tr> <td>enumeration</td><td>retired</td></tr> </table>	enumeration	active	enumeration	retired
enumeration	active				
enumeration	retired				
Used by	Attribute lab_concept/@status				
Source	<pre> <xs:simpleType name="labConceptStatus"> <xs:restriction base="xs:string"> <xs:enumeration value="active"/> <xs:enumeration value="retired"/> </xs:restriction> </xs:simpleType> </pre>				

```
</xs:restriction>
</xs:simpleType>
```

Simple Type valueSetStatus

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

Attribute(s)

Attribute desc / @language

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

Attribute loincConcept / map / @from

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

Attribute loincConcept / map / @to

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

Attribute loincConcept / map / @comment

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

Attribute references / a / @href

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

Attribute loincConcept / @loinc_num

Namespace	No namespace
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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 / @code

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

Attribute lab_concept / materials / material / @displayName

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

Attribute refset / @conceptId

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

Attribute refset / @preferredTerm

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

Attribute refset / @src

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

Attribute lab_concept / outcomes / valueSet / @ref

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

Attribute lab_concept / units / unit / @ref

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

Attribute lab_concept / @last_update

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

Attribute lab_concept / @status

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

Attribute lab_concept / @user

Namespace	No namespace	
Used by	Complex Type	lab_concept

Source	<code><xs:attribute name="user"/></code>
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Attribute materialDefinition / @code

Namespace	No namespace
Annotations	De SNOMED code.
Type	xs:integer
Properties	content: simple
Used by	Complex Type materialDefinition
Source	<pre> <xs:attribute name="code" type="xs:integer"> <xs:annotation> <xs:documentation>De SNOMED code.</xs:documentation> </xs:annotation> </xs:attribute> </pre>

Attribute materialDefinition / @displayName

Namespace	No namespace
Annotations	De SNOMED weergavenaam.
Type	xs:string
Properties	content: simple
Used by	Complex Type materialDefinition
Source	<pre> <xs:attribute name="displayName" type="xs:string"> <xs:annotation> <xs:documentation>De SNOMED weergavenaam.</xs:documentation> </xs:annotation> </xs:attribute> </pre>

Attribute materialDefinition / @system

Namespace	No namespace
Annotations	Het LOINC System.
Type	xs:string
Properties	content: simple
Used by	Complex Type materialDefinition
Source	<pre> <xs:attribute name="system" type="xs:string"> <xs:annotation> <xs:documentation>Het LOINC System.</xs:documentation> </xs:annotation> </xs:attribute> </pre>

Attribute unitDefinition / @id

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

Attribute unitDefinition / @status

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

Attribute valueSetDefinition / conceptList / concept / desc / @language

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

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

Attribute valueSetDefinition / @displayName

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

Attribute valueSetDefinition / @effectiveDate

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

Attribute valueSetDefinition / @id

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

Attribute valueSetDefinition / @name

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

Attribute valueSetDefinition / @statusCode

Namespace	No namespace
Type	valueSetStatus
Properties	content: simple
Facets	enumeration final
Used by	Complex Type valueSetDefinition
Source	<code><xs:attribute name="statusCode" type="valueSetStatus" /></code>

Attribute valueSetDefinition / @versionLabel

Namespace	No namespace
Used by	Complex Type valueSetDefinition
Source	<code><xs:attribute name="versionLabel" /></code>

Attribute panelConcept / @loinc_num

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

Attribute panelConcept / @panelMember

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

Attribute panelConcept / @type

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

Attribute publication / @effectiveDate

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

Attribute publication / @user

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

Attribute publication / @type

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