

# Health & Care Information Model:

nl.zorg.Symptom-v2.0

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# Content

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# 1. nl.zorg.Symptom-v2.0

DCM::CoderList	Zib-centrum
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Zib-centrum
DCM::CreationDate	01-05-2023
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	*
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.5.5
DCM::KeywordList	
DCM::LifecycleStatus	Final
DCM::ModelerList	*
DCM::Name	nl.zorg.Symptoom
DCM::PublicationDate	23-04-2025
DCM::PublicationStatus	Published
DCM::ReviewerList	Zib-centrum
DCM::RevisionDate	03-04-2025
DCM::Supersedes	nl.zorg.Symptoom-v1.0
DCM::Version	2.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (15-04-2024)

Bevat: ZIB-1934.

Publicatieversie 2.0 (23-04-2025)

Bevat: ZIB-2636, ZIB-2654, ZIB-2678.

## 1.2 Concept

A phenomenon with which a condition in the patient presents itself. This also includes a complaint or a finding, but not additional research, such as laboratory tests, function tests and imaging studies.

## 1.3 Mindmap

## 1.4 Purpose

Symptoms are an important basis for interpreting the condition (making the diagnosis) and for assessing the severity of the condition and the need for further examination or treatment. Symptoms and their course are also essential for evaluating the effectiveness of treatment.

## 1.5 Patient Population

## 1.6 Evidence Base

**Note on zib Symptom**

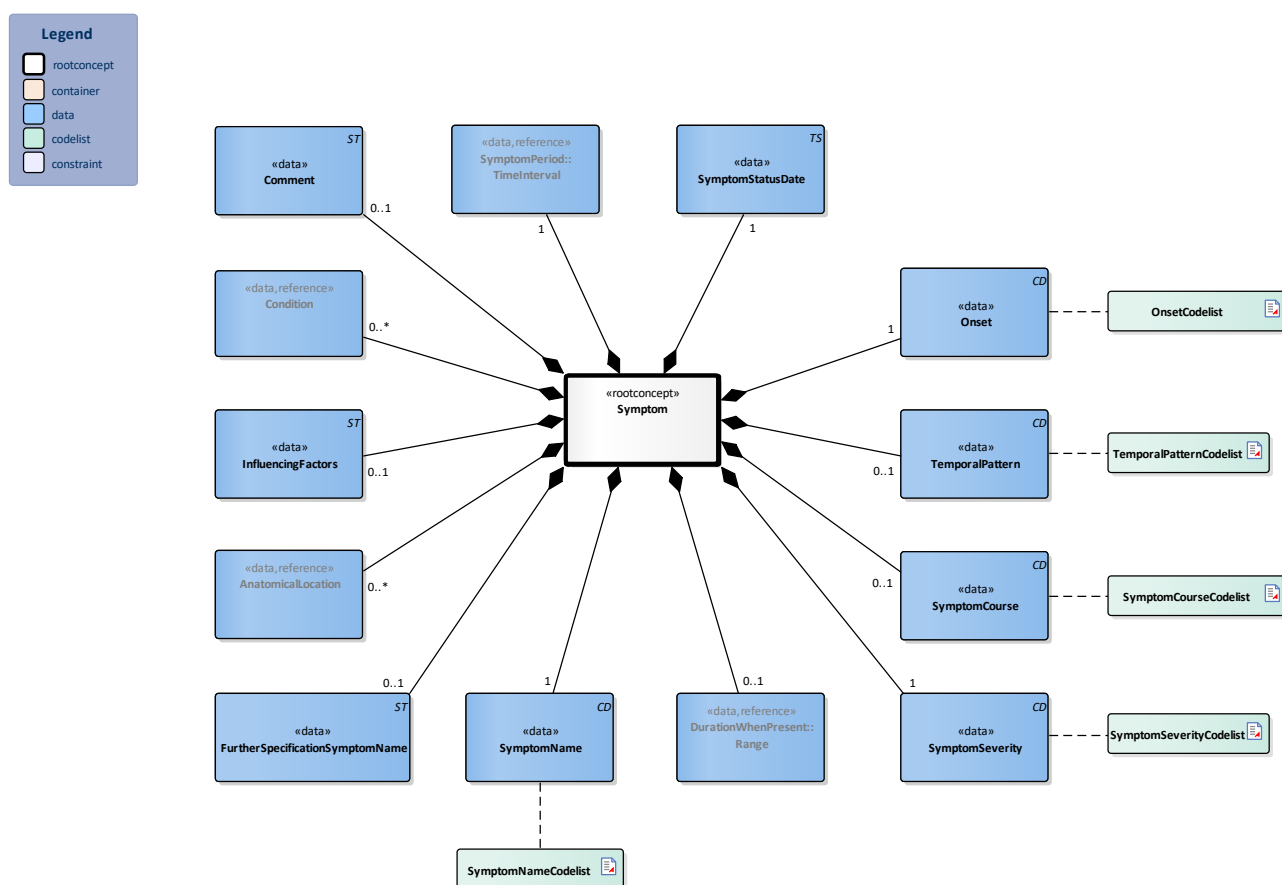
A symptom refers to a phenomenon in a broad sense (including complaint and finding) with which a condition presents itself, but limited to symptoms that the patient notices himself or that a health professional can observe, if necessary with simple instruments.

Multiple symptoms may refer to the same condition, as a disorder or condition may present with > 1 symptom.

If a symptom changes, a new instance of zib Symptom with the same Symptom Name and a more recent SymptomStatusDate indicates how the symptom presented itself at that more recent date(time). A series of instances of Symptom with the same SymptomName then represents the course of the symptom by means of an increasing value for SymptomStatusDate.

The cardinality of the reference to Condition is 0..\*. The cardinality "0" is used because, when a symptom is negated, there is no condition or state of which the symptom is a manifestation. To exclude a symptom on its own (outside the context of a condition), one should use questionnaires or checklists. If a Symptom needs to be excluded in the context of a specific condition—for example, no fever in the case of diverticulitis—the Zib Exclusion should be used. The cardinality "\*" indicates that a symptom can be a manifestation of more than one condition.

## 1.7 Information Model



«rootconcept»	Symptom	
Definitie	This is a reference to the rootconcept of information model Symptom.	
Datatype		
DCM::ConceptId	NL-CM:5.5.1	
DCM::DefinitionCode	SNOMED CT: 162408000 algemene symptoombeschrijving	
Opties		

«data»	SymptomPeriod::TimeInterval
--------	-----------------------------

<b>Definitie</b>	The period in which the symptom is (was) present.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:5.5.16	
<b>DCM::DefinitionCode</b>	SNOMED CT: 408731000 periode	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.3.1	This is a reference to the rootconcept of information model TimeInterval.
<b>Opties</b>		

<b>«data»</b>	<b>SymptomStatusDate</b>	
<b>Definitie</b>	Date from which the specification of the symptom applies.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:5.5.3	
<b>DCM::DefinitionCode</b>	SNOMED CT: 162499001 symptoom is veranderd	
<b>Opties</b>		

<b>«data»</b>	<b>Onset</b>	
<b>Definitie</b>	Indication how fast the symptom presented at first.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:5.5.5	
<b>DCM::ValueSet</b>	OnsetCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.2
<b>Opties</b>		

<b>«data»</b>	<b>TemporalPattern</b>	
<b>Definitie</b>	The temporal pattern with which the symptom presents itself, such as continuous or intermittent.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:5.5.6	
<b>DCM::DefinitionCode</b>	SNOMED CT: 288524001 beloop	
<b>DCM::ValueSet</b>	TemporalPatternCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.3
<b>Opties</b>		

<b>«data»</b>	<b>SymptomCourse</b>	
<b>Definitie</b>	The course of the intensity of the symptom over time, such as increased, unchanged.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:5.5.7	
<b>DCM::ValueSet</b>	SymptomCourseCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.4
<b>Opties</b>		

<b>«data»</b>	<b>SymptomSeverity</b>	
<b>Definitie</b>	Indicates the degree of severity of the symptom at the moment of the SymptomStatusDate.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:5.5.8	
<b>DCM::DefinitionCode</b>	SNOMED CT: 246112005 Ernst	
<b>DCM::ValueSet</b>	SymptomSeverityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.5
<b>Opties</b>		

«data»	DurationWhenPresent::Range	
Definitie	Duration of an intermittent or paroxysmal symptom while it presents.	
Datatype		
DCM::ConceptId	NL-CM:5.5.9	
DCM::DefinitionCode	SNOMED CT: 162442009 duur van symptoom	
DCM::ReferencedConceptId	NL-CM:20.1.1	This is a reference to the rootconcept of information model Range.
Opties		

«data»	SymptomName	
Definitie	Name and code of the symptom via selection from a code list, based on a standardised coding system.	
Datatype	CD	
DCM::ConceptId	NL-CM:5.5.10	
DCM::ValueSet	SymptomNameCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.8
Opties		

«data»	FurtherSpecificationSymptomName	
Definitie	More detailed specification of the symptomName that has been selected from the code list, because that list does not (yet) contain the required level of detail.	
Datatype	ST	
DCM::ConceptId	NL-CM:5.5.11	
Opties		

«data»	AnatomicalLocation	
Definitie	The location(s) on or in the body where the symptom presents itself.	
Datatype		
DCM::ConceptId	NL-CM:5.5.12	
DCM::DefinitionCode	SNOMED CT: 363698007 locatie van bevinding	
DCM::ReferencedConceptId	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicalLocation.
Opties		

«data»	InfluencingFactors	
Definitie	Actions, events or circumstances that influence the presentation of the symptom. Generally, this pertains to factors that aggravate or alleviate the symptom.	
Datatype	ST	
DCM::ConceptId	NL-CM:5.5.13	
Opties		

«data»	Condition	
Definitie	The condition of which the symptom is a manifestation.	
Datatype		
DCM::ConceptId	NL-CM:5.5.14	
DCM::ReferencedConceptId	NL-CM:5.4.1	This is a reference to the rootconcept of information model Condition.
Opties		

«data»	Comment	
Definitie	A comment in free text with respect to the symptom, that is not represented by the other data elements in the information model.	
Datatype	ST	
DCM::ConceptId	NL-CM:5.5.15	
Opties		

«document»	SymptomNameCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.5.5.8		
DCM::ValueSetInclude OTH	True		
DCM::ValueSetStatus	Active		
HCIM::ValueSetLanguage	--		
Opties			
SymptoomNaamCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.8	
Codes	Coding Syst. Name	Coding System OID	
SNOMED CT: <404684003   Clinical finding   MINUS (<<64572001   aandoening  )	SNOMED CT	2.16.840.1.113883.6.96	

«document»	OnsetCodelist				
Definitie					
Datatype					
DCM::ValueSetBinding	Required				
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.5.5.2				
DCM::ValueSetInclude OTH	False				
DCM::ValueSetStatus	Active				
HCIM::ValueSetLanguage	--				
Opties					
OntstaanswijzeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.2		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description	
Geleidelijk optredend	61751001	SNOMED CT	2.16.840.1.113883.6.96	Geleidelijk ontstaan	
Subacuut optredend	373935005	SNOMED CT	2.16.840.1.113883.6.96	Subacuut ontstaan	
Onverwacht optredend	385315009	SNOMED CT	2.16.840.1.113883.6.96	Acuut ontstaan	

«document»	TemporalPatternCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.5.5.3		
DCM::ValueSetInclude OTH	True		
DCM::ValueSetStatus	Active		

HCIM::ValueSetLanguage	--			
Opties				
TijdPatroonCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.3	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Aanhoudend	263730007	SNOMED CT	2.16.840.1.113883.6.96	Continu
Intermitterend	7087005	SNOMED CT	2.16.840.1.113883.6.96	Intermitterend
Paroxismaal	26593000	SNOMED CT	2.16.840.1.113883.6.96	Aanvalsgewijs
Cyclisch	44180009	SNOMED CT	2.16.840.1.113883.6.96	Cyclisch

«document»	SymptomCourseCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Required			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.5.5.4			
DCM::ValueSetIncludeOTH	False			
DCM::ValueSetStatus	Active			
HCIM::ValueSetLanguage	--			
Opties				
SymptoomBeloopCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.4	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Ongewijzigd	260388006	SNOMED CT	2.16.840.1.113883.6.96	Onveranderd
Verslechterd	231877006	SNOMED CT	2.16.840.1.113883.6.96	Verslechterd
Verbeterd	385425000	SNOMED CT	2.16.840.1.113883.6.96	Verbeterd
Fluctuerend	255341006	SNOMED CT	2.16.840.1.113883.6.96	Fluctuerend
Niet meer aanwezig	350361000146109	SNOMED CT	2.16.840.1.113883.6.96	Niet meer aanwezig

«document»	SymptomSeverityCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Required			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.5.5.5			
DCM::ValueSetIncludeOTH	False			
DCM::ValueSetStatus	Active			
HCIM::ValueSetLanguage	--			
Opties				
SymptoomErnstCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.5	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Licht	255604002	SNOMED CT	2.16.840.1.113883.6.96	Mild
Licht tot matig	371923003	SNOMED CT	2.16.840.1.113883.6.96	Mild tot matig
Matig	6736007	SNOMED CT	2.16.840.1.113883.6.96	Matig
Matig tot ernstig	371924009	SNOMED CT	2.16.840.1.113883.6.96	Matig tot ernstig
Ernstig	24484000	SNOMED CT	2.16.840.1.113883.6.96	Ernstig



Van levensbedreigende ernst	442452003	SNOMED CT	2.16.840.1.113883.6.96	Levensbedreigend
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	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

Symptoom			
SymptoomPeriode			
StartDatumTijd	22-02-2023	22-02-2023	22-02-2023
EindDatumTijd			
TijdsDuur			
SymptoomStatusDatum	01-03-2023	05-03-2023	20-03-2023
SymptoomType	Symptoom	Symptoom	Symptoom
SymptoomNaam	Hoest	Hoest	Hoest
NadereSpecificatieSymptoomNaam	Droge hoest	Productieve hoest	Productieve hoest
Ontstaanswijze	Subacuut		
TijdsPatroon	Aanvalsgewijs	Aanvalsgewijs	
Beloop		Verslechterd	Verbeterd
Ernst	Mild	Matig	Mild
DuurBijOptreden			
minimumWaarde	30 min	5 min	
maximumWaarde	1,5 u	10 min	
nominaleWaarde			
BeïnvloedendeFactoren	Erger bij liggen		
Toelichting			
AnatomischeLocatie			
Locatie			
Lateraliteit			
AandoeningOfGesteldheid			
PeriodeAanwezig			
StartDatumTijd	22-02-2023	22-02-2023	22-02-2023
EindDatumTijd			
StatusDatum	01-03-2023	05-03-2023	20-03-2023
Beloop		Verslechterd	Verbeterd
Ernst	Mild	Matig	Mild

Symptoom		
SymptoomPeriode		
StartDatumTijd	15-01-2023 10:30	15-01-2023 10:30
EindDatumTijd		26-02-2023
TijdsDuur		
SymptoomStatusDatum	15-01-2023	26-02-2023
SymptoomType	Symptoom	Symptoom
SymptoomNaam	Zwelling	Zwelling
NadereSpecificatieSymptoomNaam		
Ontstaanswijze	Acuut	
TijdsPatroon		
Beloop		Niet meer aanwezig
Ernst	Ernstig	
Beïnvloedende actoren	Neemt toe bij beweging en neemt af in rust.	
Toelichting		
AnatomischeLocatie		
Locatie	Pols	Pols
Lateraliteit	Links	Links
AandoeningOfGesteldheid		
PeriodeAanwezig		
StartDatumTijd	15-01-2023	15-01-2023
EindDatumTijd		
StatusDatum	15-01-2023	26-02-2023
Beloop		Herstellend
Ernst		

## **1.9 Instructions**

A symptom always refers to the condition or state of which it is a manifestation. Multiple symptoms can refer to the same condition or state. When an existing symptom is updated, the new instantiation of Symptom will have the same SymptomName, refer to the same Condition, and have a more recent SymptomStatusDate.

## **1.10 Interpretation**

## **1.11 Care Process**

## **1.12 Example of the Instrument**

## **1.13 Constraints**

## **1.14 Issues**

## **1.15 References**

## **1.16 Functional Model**

## **1.17 Traceability to other Standards**

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