

# Health & Care Information Model:

nl.zorg.Symptom-v2.0

Status: Final

Release: 2026-1

Release status: Prepublished

Managed by:



# Content

<b>1. nl.zorg.Symptom-v2.0</b>	<b>3</b>
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	3
1.6 Evidence Base	3
1.7 Information Model	4
1.8 Example Instances	9
1.9 Instructions	11
1.10 Interpretation	11
1.11 Care Process	11
1.12 Example of the Instrument	11
1.13 Constraints	11
1.14 Issues	11
1.15 References	11
1.16 Functional Model	11
1.17 Traceability to other Standards	11
1.18 Disclaimer	11
1.19 Terms of Use	12
1.20 Copyrights	12

## 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	17-04-2026
DCM::PublicationStatus	Prepublished
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 (24-04-2024)  
Bevat: ZIB-2404, ZIB-2409, 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**

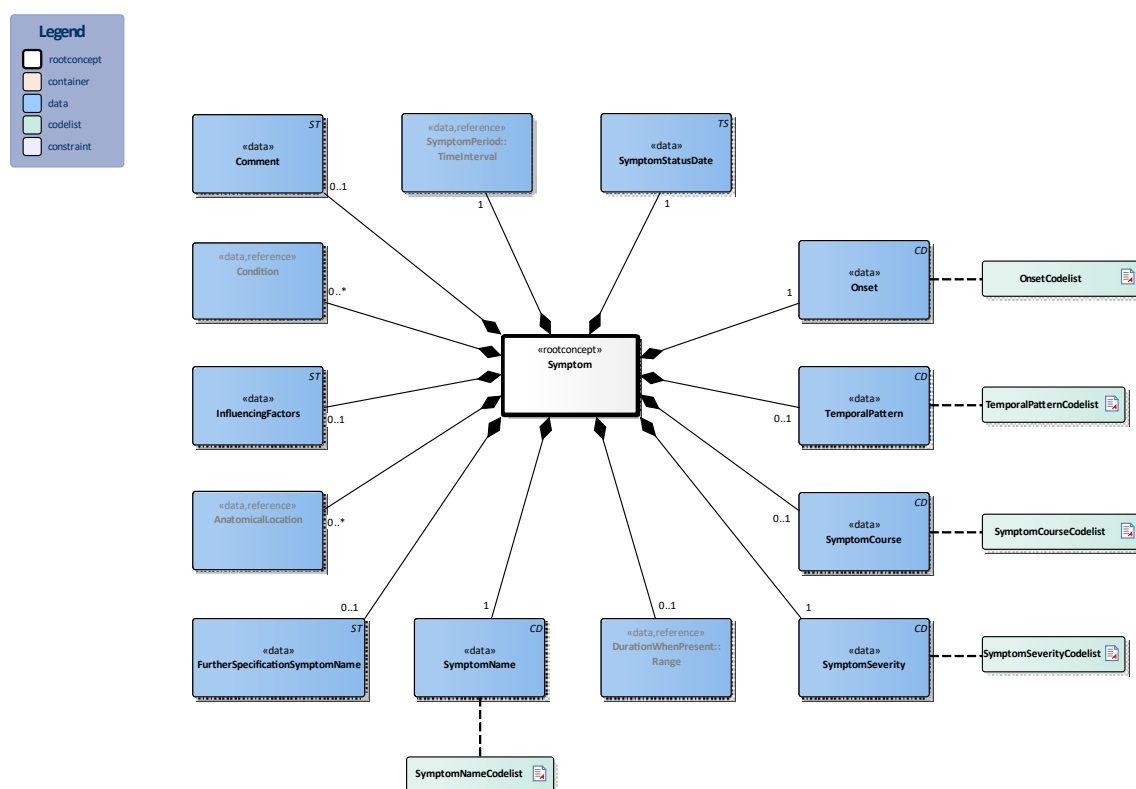
A symptom refers to a phenomenon in a broad sense (including complaint and finding) with which a condition presents itself, but limited to symptoms that the patient notices himself or that a health professional can observe, if necessary with simple instruments.

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	
Definitie	Indication of when the symptom is or was present. A vague date, e.g. only a year or a month and a year, is allowed.	
Datatype		
DCM::ConceptId	NL-CM:5.5.16	
DCM::DefinitionCode	SNOMED CT: 408731000 periode	
DCM::ReferencedConceptId	NL-CM:20.3.1	This is a reference to the rootconcept of information model TimeInterval.
Opties		

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

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

«data»	TemporalPattern	
Definitie	The temporal pattern with which the symptom presents itself, such as continuous or intermittent.	
Datatype	CD	
DCM::ConceptId	NL-CM:5.5.6	
DCM::ValueSet	TemporalPatternCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.5.3
Opties		

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

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

<b>Opties</b>	
---------------	--

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

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

«data»	FurtherSpecificationSymptomName	
<b>Definitie</b>	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.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:5.5.11	
<b>Opties</b>		

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

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

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

«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	2.16.840.1.113883.2.4.3.11.60.40.2.5.5.8	
DCM::ValueSetIncludeOTH	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	2.16.840.1.113883.2.4.3.11.60.40.2.5.5.2	
DCM::ValueSetIncludeOTH	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	2.16.840.1.113883.2.4.3.11.60.40.2.5.5.3	
DCM::ValueSetIncludeOTH	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
-----------------------------	-----------	-----------	------------------------	------------------

	Legend
<b>Definitie</b>	
<b>Datatype</b>	
<b>Opties</b>	

## 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	Subacut		
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	Acut	
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**

## **1.18 Disclaimer**

The Health and Care Information Models (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating parties are not liable for any damages resulting from omissions or inaccuracies in the information provided, nor are they liable for damages resulting from problems caused by or inherent to distributing information on the internet, such as malfunctions, interruptions, errors or delays in information or services provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating parties will also not accept liability for any damages resulting from the use of data, advice or ideas provided by or on behalf of the parties by means of the Health and Care Information Models. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model documents and files, the most recent and highest version of the listed order in the revisions will indicate the priority of the documents in question. If information included in the digital version of a Health and Care Information Model is also distributed in writing, the written version will be leading in case of textual differences. This will apply if both have the same version number and date. A definitive version has priority over a draft version. A revised version has priority over

previous versions.

## **1.19 Terms of Use**

The user may use the Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

## **1.20 Copyrights**

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NC-SA-3.0).

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (see also <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

**Nictiz**

P.O. Box 19121  
2500 CC Den Haag  
Oude Middenweg 55  
2491 AC Den Haag

070-3173450  
[info@nictiz.nl](mailto:info@nictiz.nl)  
[www.nictiz.nl](http://www.nictiz.nl)



