

Health & Care Information Model:

nl.zorg.Condition-v1.0

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1. nl.zorg.Condition-v1.0

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1.1 Revision History

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1.2 Concept

A condition is pathological or non-pathological state of the patient that generally presents with symptoms. It is 'that what the patient has'. A care professional can assign a (differential) diagnosis to the condition. The symptoms as well as the diagnostic insight with respect to the same condition may change over time.

1.3 Mindmap

1.4 Purpose

A clear representation of the symptoms and diagnostic insight per condition. This contributes to the insight of the health care professionals involved into the patient's health status. It helps evaluate the effect of the care provided and determine follow-up policy.

1.5 Patient Population

The entire patient population.

1.6 Evidence Base

Note on zib Condition

This zib describes the characteristics of a patient's condition: the period during which the condition is present, its severity and course. The designation of the condition is not a characteristic, but an

interpretation by the health professional. The zib DiagnosticInsight represents this interpretation. The condition presents itself with symptoms for which there is the zib Symptom.

Both the interpretation of the condition and the symptoms, with which it presents itself, can change independently over time.

If possible, a health professional will communicate about a condition by its interpretation in the form of a (differential) diagnosis. If there is not yet a (differential) diagnosis, he/she will communicate about it on the basis of ≥ 1 major symptoms that he/she thinks belong together and can probably be explained by one condition.

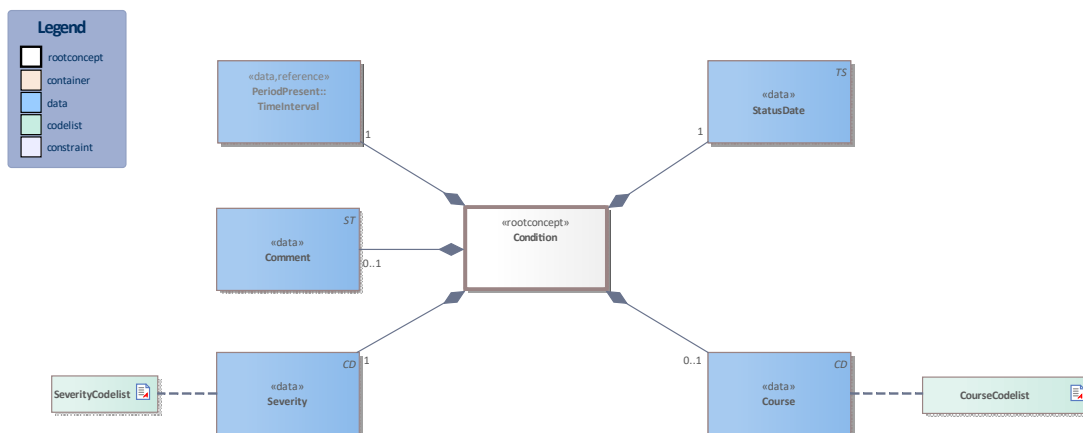
Relationship between (differential) diagnosis and symptoms
 The zibs DiagnosticInsight for the (differential) diagnosis and the zib Symptom each refer to the zib Condition. Via this reference it is clear to which condition the (differential) diagnosis and symptoms refer. This makes it clear at any moment in time what the diagnostic insight is and what the status of the symptoms is.

Functionality (informative) If the patient presents with a new request for care or problem, the health professional will register this using a (differential) diagnosis and/or ≥ 1 symptoms.

To do this, the EHR must create an instance of a Condition with the corresponding fields for PeriodPresent, Severity, Course, and a StatusDate indicating the time from which the values entered apply. In addition, the EHR must support the representation of the (differential) diagnosis and/or symptoms entered by the health professional, with a reference to the corresponding Condition.

In the EHR, the content of the fields StartDate, EndDate, Severity and Course will be recorded with the Condition.

1.7 Information Model



«rootconcept»	Condition	
Definitie	This is a reference to the root concept of information model Condition. This root concept contains all data elements of the information model Condition.	
Datatype		
DCM::ConceptId	NL-CM:5.4.1	
DCM::DefinitionCode	SNOMED CT: 365860008 bevinding betreffende algemene klinische toestand	
Opties		

«data»	PeriodPresent::TimeInterval
--------	-----------------------------

Definitie	The period in which the condition is (was) present.	
Datatype		
DCM::ConceptId	NL-CM:5.4.8	
DCM::ReferencedConceptId	NL-CM:20.3.1	This is a reference to the rootconcept of information model TimeInterval.
Opties		

«data»	StatusDate	
Definitie	The moment from when the data regarding the condition apply. It may be a vague moment.	
Datatype	TS	
DCM::ConceptId	NL-CM:5.4.3	
DCM::DefinitionCode	SNOMED CT: 350351000146106 datum waarop gezondheidsstatus is gewijzigd	
Opties		

«data»	Course	
Definitie	The course of the condition. This is independent of the diagnostic insight for the condition. The course indicates how the condition is developing: such as stable, progression, remission, etc..	
Datatype	CD	
DCM::ConceptId	NL-CM:5.4.5	
DCM::ValueSet	CourseCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.1
Opties		

«data»	Severity	
Definitie	Indication of the severity of the condition. A condition may cause few or mild symptoms and yet be serious, but the reverse is also possible.	
Datatype	CD	
DCM::ConceptId	NL-CM:5.4.6	
DCM::DefinitionCode	SNOMED CT: 246112005 ernst	
DCM::ValueSet	SeverityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3
Opties		

«data»	Comment	
Definitie	A comment in free text with respect to the condition, that is not represented by the other data elements in the information model.	
Datatype	ST	
DCM::ConceptId	NL-CM:5.4.7	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	CourseCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.5.4.1	

HCIM::ValueSetLanguage	--			
Opties				
BeloopCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.1	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
NTB	NTB	SNOMED CT	2.16.840.1.113883.6.96	Asymptomatisch
Verbeterd	385425000	SNOMED CT	2.16.840.1.113883.6.96	Verbeterd
Verslechterd	231877006	SNOMED CT	2.16.840.1.113883.6.96	Verslechterd
Onveranderd	260388006	SNOMED CT	2.16.840.1.113883.6.96	Onveranderd
Progressief	255314001	SNOMED CT	2.16.840.1.113883.6.96	Progressief
NTB	NTB	SNOMED CT	2.16.840.1.113883.6.96	Opvlammend
Niet meer aanwezig	3503610001 46109	SNOMED CT	2.16.840.1.113883.6.96	Niet meer aanwezig
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

«document»	SeverityCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Required			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.5.4.3			
HCIM::ValueSetLanguage	--			
Opties				
ErnstCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Mild	255604002	SNOMED CT	2.16.840.1.113883.6.96	Mild
Mild to moderate	371923003	SNOMED CT	2.16.840.1.113883.6.96	Mild tot matig
Moderate	6736007	SNOMED CT	2.16.840.1.113883.6.96	Matig
Moderate to severe	371924009	SNOMED CT	2.16.840.1.113883.6.96	Matig tot ernstig
Severe	24484000	SNOMED CT	2.16.840.1.113883.6.96	Ernstig
Lifethreatening severity	442452003	SNOMED CT	2.16.840.1.113883.6.96	Levensbedreigend
Fatal	399166001	SNOMED CT	2.16.840.1.113883.6.96	Fataal

	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

Een aandoening of gesteldheid staat nooit op zichzelf. Er zal altijd een diagnostisch inzicht of ≥ 1 symptoom zijn dat op de aandoening of gesteldheid betrekking heeft. Ter illustratie zijn hier daarom de namen van symptomen en een diagnose toegevoegd die naar de aandoening zouden kunnen verwijzen.

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
Toelichting			
SymptoomNaam	Hoest	Hoest, Koorts	Hoest
DiagnoseNaam	Bronchitis	Longontsteking	Longontsteking

AandoeningOfGesteldheid			
PeriodeAanwezig			
StartDatumTijd	15-01-2023	15-01-2023	15-01-2023
EindDatumTijd			08-05-2023
StatusDatum	15-01-2023	26-02-2023	08-05-2023
Beloop		Herstellend	Niet meer aanwezig
SymptoomNaam	Pijn, zwelling, standsafwijking	Stijfheid	
DiagnoseNaam	Radiusfractuur	Radiusfractuur	Radiusfractuur

1.9 Instructions

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

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