

Health & Care Information Model:

nl.zorg.Condition-v1.1

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1. nl.zorg.Condition-v1.1

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1.1 Revision History

Publicatieversie 1.0 (15-04-2024)

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Publicatieversie 1.1 (24-04-2024)

Bevat: ZIB-2645, ZIB-2677, ZIB-2693.

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 diagnosis with respect to the same condition may change over time.

1.3 Mindmap

1.4 Purpose

A separate representation of condition and the diagnosis makes it possible to describe these separately. This makes it clear on one hand what the status of the condition is and on the other hand how the care provider names this condition. Explicit representation of data relating to the condition helps evaluate the effect of the care provided and determine the treatment plan / follow-up.

1.5 Patient Population

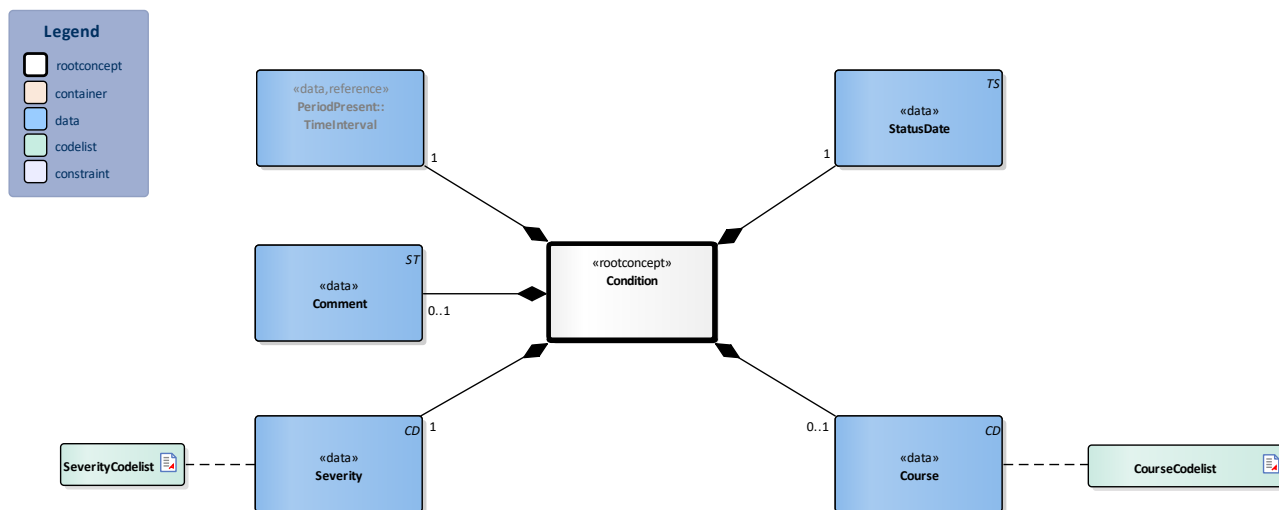
The entire patient population.

1.6 Evidence Base

Condition and diagnosis are two different concepts: a condition can exist without a diagnosis and the condition has characteristics that are independent of the diagnosis. Therefore, a condition on the one hand and diagnoses on the other hand are represented by separate zibs. Diagnoses are represented by three zibs: DiagnosticInsight, Hypersensitivity, and Reaction, each with a reference to the zib Condition.

The severity and course of a condition are interpretations made by a healthcare provider, but they are independent of what the patient has. They provide information about the status of 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: 64572001 aandoening	
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				
DCM::ValueSetIncludeOTH	True				
DCM::ValueSetStatus	Active				
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	
Asymptomatisch	67335000	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	
Ongewijzigd	260388006	SNOMED CT	2.16.840.1.113883.6.96	Onveranderd	
Progressief	255314001	SNOMED CT	2.16.840.1.113883.6.96	Progressief [DEPRECATED]	
Episode van verslechtering	303359000	SNOMED CT	2.16.840.1.113883.6.96	Opvlammend	
Niet meer aanwezig	350361000146109	SNOMED CT	2.16.840.1.113883.6.96	Niet meer aanwezig	

«document»	SeverityCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Required			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3			
DCM::ValueSetIncludeOTH	False			
DCM::ValueSetStatus	Active			
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 diagnose 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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