

# Health & Care Information Model:

nl.zorg.PainCharacteristics-v2.1

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# Content

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## 1. nl.zorg.PainCharacteristics-v2.1

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HCIM::PublicationLanguage	EN

### 1.1 Revision History

Publicatieversie 1.0 (01-09-2020)

Publicatieversie 2.0 (15-10-2023)

Bevat: ZIB-1907.

Publicatieversie 2.1 (15-04-2024)

Bevat: ZIB-2044.

### 1.2 Concept

Pain characteristics describe specific, localized pain. They provide information on a number of aspects of the pain the patient is experiencing. The aspects follow the ALTIS method (Quality, Localization, Duration, Intensity and Context). In this way, pain is always assessed in the same way.

### 1.3 Mindmap

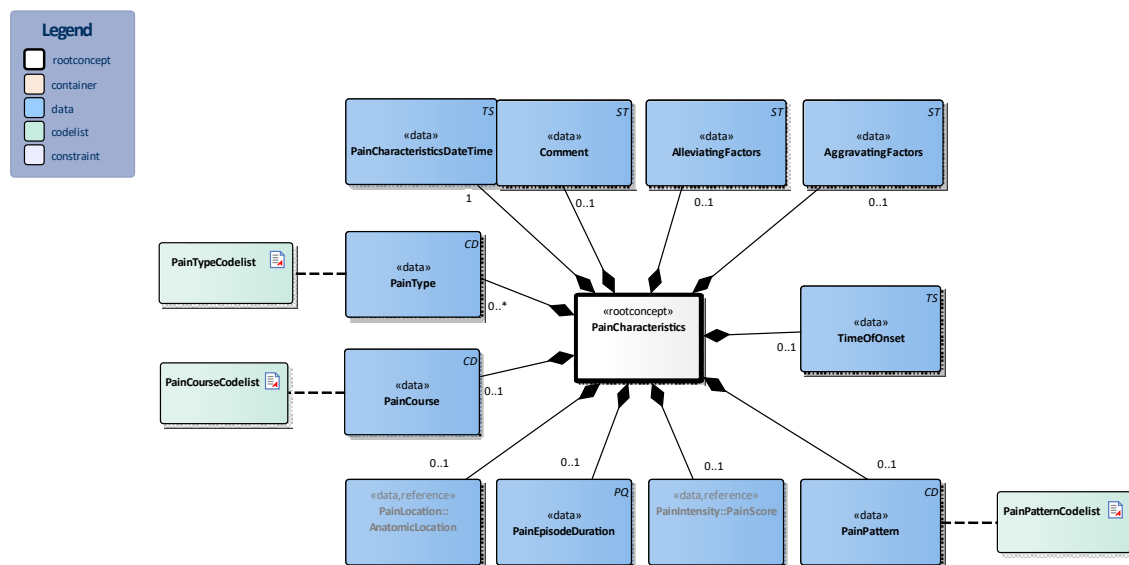
### 1.4 Purpose

Pain Characteristics are instrumental in establishing a diagnosis and in evaluating the effectiveness of pain medication.

### 1.5 Patient Population

## 1.6 Evidence Base

## 1.7 Information Model



«rootconcept»	PainCharacteristics	
Definitie	Root concept of the PainCharacteristics information model.This root concept contains all data elements of the PainCharacteristics information model.	
Datatype		
DCM::ConceptId	NL-CM:12.21.1	
DCM::DefinitionCode	SNOMED CT: 276435006 Pain / sensation finding	
Opties		

«data»	PainType	
Definitie	Description of the characteristics of the pain as experienced by the patient.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.21.2	
DCM::DefinitionCode	SNOMED CT: 364632003 Pain character	
DCM::ValueSet	PainTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.1
Opties		

«data»	PainLocation::AnatomicLocation	
Definitie	Anatomic location and laterality of the pain.	
Datatype		
DCM::ConceptId	NL-CM:12.21.3	
DCM::DefinitionCode	SNOMED CT: 363698007 Finding site	

DCM::ReferencedConceptId	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicLocation.
Opties		

«data»	PainEpisodeDuration	
Definitie	The duration of a pain episode with non-continues pain. The duration is measured in units of time (days, hours, ...)	
Datatype	PQ	
DCM::ConceptId	NL-CM:12.21.4	
DCM::DefinitionCode	SNOMED CT: 162442009 Time symptom lasts	
Opties		

«data»	TimeOfOnset	
Definitie	Date and time of the onset of the pain.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.21.12	
DCM::DefinitionCode	SNOMED CT: 405795006 Time of symptom onset	
Opties		

«data»	PainIntensity::PainScore	
Definitie	The intensity or severity of the pain experienced by the patient, measured using the NRS or VAS score.	
Datatype		
DCM::ConceptId	NL-CM:12.21.5	
DCM::DefinitionCode	SNOMED CT: 406127006 Pain intensity	
DCM::ReferencedConceptId	NL-CM:12.9.1	This is a reference to the rootconcept of information model PainScore.
Opties		

«data»	PainPattern	
Definitie	Description of any repeating patterns in the course of the pain that occur over time	
Datatype	CD	
DCM::ConceptId	NL-CM:12.21.6	
DCM::DefinitionCode	SNOMED CT: 364631005 Pattern of pain	
DCM::ValueSet	PainPatternCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3
Opties		

«data»	PainCourse	
Definitie	The course of the pain over time since the onset.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.21.7	
DCM::DefinitionCode	SNOMED CT: 310951000146102 Pain course	
DCM::ValueSet	PainCourseCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2
Opties		

«data»	AlleviatingFactors	
Definitie	Description of the factors that relieve the pain, such as rest.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.21.8	
DCM::DefinitionCode	SNOMED CT: 162483007	
	Symptom relieving factors	
Opties		

«data»	AggravatingFactors	
Definitie	Description of the factors that aggravate the pain, such as exercise.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.21.11	
DCM::DefinitionCode	SNOMED CT: 162473008	
	Symptom aggravating factors	
Opties		

«data»	PainCharacteristicsDateTime	
Definitie	The date and time at which the pain characteristics have been identified.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.21.9	
DCM::DefinitionCode	SNOMED CT: 439771001	
	Date of event	
Opties		

«data»	Comment	
Definitie	Comments on the described pain characteristics.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.21.10	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	PainTypeCodelist	
Definitie		
Datatype		
DCM::ExampleValue	Brandend	
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.21.1	
DCM::ValueSetIncludeOTH	True	
DCM::ValueSetStatus	Active	
HCIM::ValueSetLanguage	--	
Opties		

PijnAardCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.1	
Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Shooting pain	49575005	SNOMED CT	2.16.840.1.113883.6.96	opflikkerend, flitsend, schietend
Sharp pain	8708008	SNOMED CT	2.16.840.1.113883.6.96	prikkelend, stekend, doorborend
Tightening pain	162505000	SNOMED CT	2.16.840.1.113883.6.96	drukkend, knellend, snoerend

Hot pain	36349006	SNOMED CT	2.16.840.1.113883.6.96	branderig, brandend, vlammend
Cutting pain	162503007	SNOMED CT	2.16.840.1.113883.6.96	scherp, snijdend, messcherp
Aching pain	27635008	SNOMED CT	2.16.840.1.113883.6.96	zeurend, knagend, hardnekkig
Paresthesia	91019004	SNOMED CT	2.16.840.1.113883.6.96	tintelingen, doof

«document»	PainCourseCodelist	
Definitie		
Datatype		
DCM::ExampleValue	Toenemend	
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2	
DCM::ValueSetIncludeOTH	False	
DCM::ValueSetStatus	Active	
HCIM::ValueSetLanguage	--	
Opties		

PijnbeloopCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.2	
Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Stable	58158008	SNOMED CT	2.16.840.1.113883.6.96	Stabiel
Increasing	260369004	SNOMED CT	2.16.840.1.113883.6.96	Toenemend
Decreasing	260371004	SNOMED CT	2.16.840.1.113883.6.96	Afnemend

«document»	PainPatternCodelist	
Definitie		
Datatype		
DCM::ExampleValue	Continue	
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3	
DCM::ValueSetInclude OTH	False	
DCM::ValueSetStatus	Active	
HCIM::ValueSetLanguage	--	
Opties		

PijnPatroonCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.21.3	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Continuous	255238004	SNOMED CT	2.16.840.1.113883.6.96	Continue [DEPRECATED]
Continual	263730007	SNOMED CT	2.16.840.1.113883.6.96	Continue
Paroxysmal	26593000	SNOMED CT	2.16.840.1.113883.6.96	Aanvalsgewijs
Fluctuating	255341006	SNOMED CT	2.16.840.1.113883.6.96	Fluctuerend, wisselend

	Legend
Definitie	

<b>Datatype</b>	
<b>Opties</b>	

## 1.8 Example Instances

Pijnenmerken	
PijnAard	Drukkend
PijnLocatie	
Locatie	Borst
Lateraliteit	Links
PijnAanvalDuur	1 uur
BeginTijdPijn	11-08-2020
PijnIntensiteit	
PijnscoreWaarde	5
PijnMeetmethode	NRS10
PijnPatroon	Aanvalsgewijs
Pijnbeloop	Toenemend
VerzachtendeFactoren	-
VerergerendeFactoren	Ademhalen
PijnenmerkenDatumTijd	12-08-2020
Toelichting	

## 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. openEHR-EHR-OBSERVATION.symptom-pain.v1[Online] Beschikbaar op: <http://www.openehr.org/knowledge/> [Geraadpleegd: 23 december 2014].

### 1.16 Functional Model



## 1.17 Traceability to other Standards

## 1.18 Disclaimer

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