

Health & Care Information Model:

nl.zorg.PainCharacteristics-v2.0

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Content

1. nlzorg.PainCharacteristics-v2.0	3
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	7
1.9 Instructions	8
1.10 Interpretation	8
1.11 Care Process	8
1.12 Example of the Instrument	8
1.13 Constraints	8
1.14 Issues	8
1.15 References	8
1.16 Functional Model	8
1.17 Traceability to other Standards	8
1.18 Disclaimer	8
1.19 Terms of Use	9
1.20 Copyrights	9

1. nl.zorg.PainCharacteristics-v2.0

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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.

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

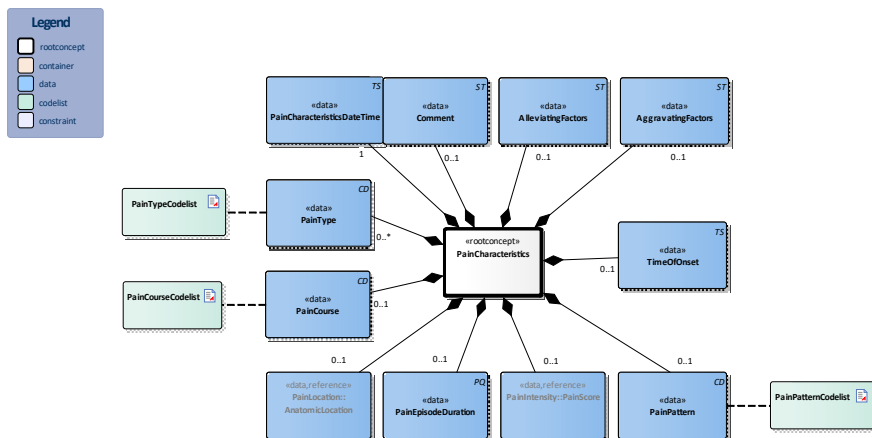
1.4 Purpose

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::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		
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	
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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
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
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	
Datatype	
Opties	

1.8 Example Instances

Pijkenmerken	
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
PijkenmerkenDatumTijd	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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