Health & Care Information Model:

nl.zorg.PainScore-v3.1

Status:Final
Release:2018
Release status: Prepublished

Managed by:

Content

1. nl.zorg.PainScore-v3.1

DCM::CoderList	Kerngroep Registratie aan de Bron
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::CreationDate	29-11-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.12.9
DCM::KeywordList	pijn, pijnscore, vas, nrs, vitale parameters
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Pijnscore
DCM::PublicationDate	01-10-2018
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Superseeds	nl.zorg.Pijnscore-v3.0
DCM::Version	3.1
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

Publicatieversie 1.1 (01-07-2013)

Publicatieversie 1.2 (01-04-2015)
Bevat: ZIB-114, ZIB-263, ZIB-308.

Incl. algemene wijzigingsverzoeken:
ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 1.2.1 (22-05-2015)
Bevat: ZIB-371.

Publicatieversie 3.0 (01-05-2016)
Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)
Bevat: ZIB-564, ZIB-524.

1.2 Concept

The pain score is a general measurement for pain experience, not a description of specific, localized pain.

The following are used as an easily reproducible measurement for pain experience:

1. NRS (Numeric Rating Scale) in which the patient gives the pain a number on a scale of 1 (no pain) to 10 (unbearable pain).
2. VAS (Visual Analogue Score), in which the patient points to a bar with a line to indicate the pain they feel. The back of the bar has a scale from 0 (no pain) to 10 (unbearable pain) on it.

The results of both scores have the same meaning, but the visual analogue method (VAS) is seen as more reliable than the NRS pain score.
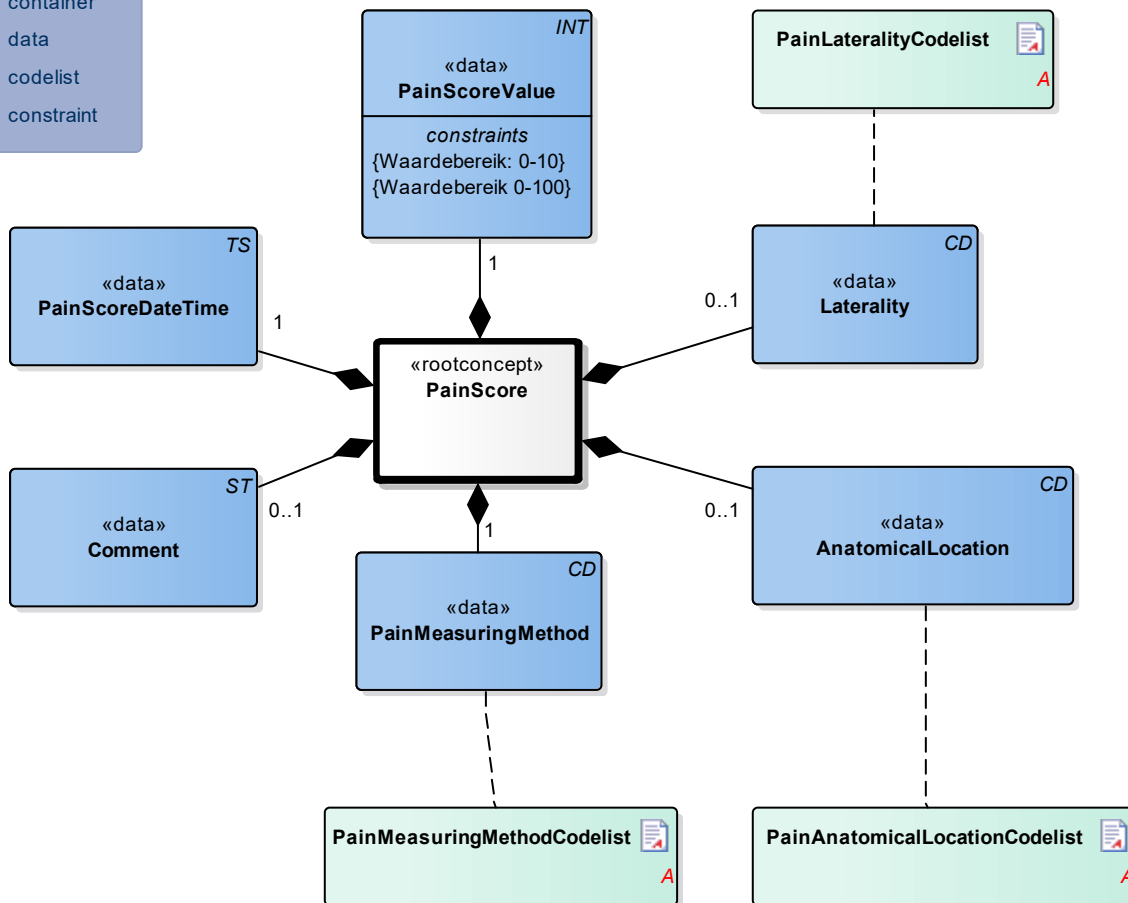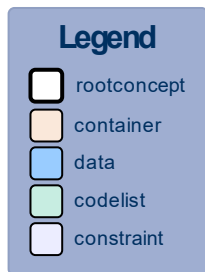
1.3   Mindmap

1.4   Purpose

The purpose of the pain score is to quantify and objectify the patient's subjective pain experience.

1.5   Patient Population

1.6   Evidence Base

1.7   Information Model

Legend
- rootconcept
- container
- data
- codelist
- constraint

Diagram elements:
- «data» PainScoreValue (INT) — constraints {Waardebereik: 0-10} {Waardebereik 0-100}
- PainLateralityCodelist (A)
- «data» PainScoreDateTime (TS)
- «data» Laterality (CD) — 0..1
- «rootconcept» PainScore
- «data» Comment (ST) — 0..1
- «data» PainMeasuringMethod (CD) — 1
- «data» AnatomicalLocation (CD) — 0..1
- PainMeasuringMethodCodelist (A)
- PainAnatomicalLocationCodelist (A)
- PainScoreDateTime — 1
- PainScoreValue — 1

«rootconcept»	PainScore
Definitie	Root concept of the PainScore information model. This root concept contains all data elements of the PainScore information model.
Datatype	
DCM::ConceptId	NL-CM:12.9.1
Opties	

«data»	PainScoreValue	
Definitie	The score is a general measurement of pain experience, not a description of specific, localized pain. Depending on the measuring method used, it indicates the level of pain experienced by the patient on a scale of 0 to 10: 0 = no pain and 10 = the worst pain imaginable. No descriptions are used for the intermediate values, so that the value is displayed as a number and not as a code. Sometimes a value range of 0-100 is used instead of 0-10.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.9.2	
DCM::DefinitionCode	SNOMED CT: 225908003 Pain score	
DCM::ExampleValue	2	
Opties		
Constraint	Waardebereik: 0-10	

Constraint	Waardebereik 0-100	

«data»	PainScoreDateTime	
Definitie	The date and time at which the pain score was measured.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.9.3	
Opties		

«data»	PainMeasuringMethod	
Definitie	The measuring method describes the method used to determine the pain score. The measurement involves a visualization of the pain scale.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.9.4	
DCM::ExampleValue	NRS	
DCM::ValueSet	PainMeasuringMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.1
Opties		

«data»	AnatomicalLocation	
Definitie	Anatomical location which is the focus of the procedure.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.9.6	
DCM::DefinitionCode	SNOMED CT: 363698007 Finding site	
DCM::ExampleValue	Been	
DCM::ValueSet	PainAnatomicalLocationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.2
Opties		

«data»	Laterality	
Definitie	Laterality adds information about body side to the anatomic location, *e.g.* left	
Datatype	CD	
DCM::ConceptId	NL-CM:12.9.7	
DCM::DefinitionCode	SNOMED CT: 272741003 Laterality	
DCM::ValueSet	PainLateralityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.3
Opties		

«data»	Comment	
Definitie	Comment on the pain score measurement, including comments on for example the circumstances and/or disruptive factors that may influence the result.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.9.5	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	PainMeasuringMethodCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.9.1		
Opties			

PijnMeetmethodeCodelijst			**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.1**		
Concept Name	**Concept Code**	**Codesystem**	**Codesystem OID**		**Description**
NRS	NRS	PijnMeetmethode	2.16.840.1.113883.2.4.3.11.60.40.4.9.1		NRS
VAS10	VAS10	PijnMeetmethode	2.16.840.1.113883.2.4.3.11.60.40.4.9.1		VAS10
VAS100	VAS100	PijnMeetmethode	2.16.840.1.113883.2.4.3.11.60.40.4.9.1		VAS100

«document»	PainAnatomicalLocationCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.9.2		
Opties			

PijnAnatomischeLocatieCodelijst		**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.2**
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 442083009 |Anatomical or acquired body structure|	SNOMED CT	2.16.840.1.113883.6.96

«document»	PainLateralityCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.9.3		
Opties			

PijnLateraliteitCodelijst			**OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.3**	
Concept Name	**Concept Code**	**CodeSys. Name**	**CodeSystem OID**	**Description**
Left	7771000	SNOMED CT	2.16.840.1.113883.6.96	Links
Right	24028007	SNOMED CT	2.16.840.1.113883.6.96	Rechts
Right and left	51440002	SNOMED CT	2.16.840.1.113883.6.96	Rechts en links

1.8   Example Instances

PijnscoreDatumTijd	PijnscoreWaarde	PijnMeetmethode	Toelichting
08-02-2013 6:43	7	VAS10	Bij bewegen

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

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