

Health & Care Information Model:

nl.zorg.PainScore-v4.1

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

1. nl.zorg.PainScore-v4.1	3
1.1 Revision History	3
1.2 Concept	4
1.3 Mindmap	4
1.4 Purpose	4
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	6
1.9 Instructions	6
1.10 Interpretation	6
1.11 Care Process	6
1.12 Example of the Instrument	6
1.13 Constraints	6
1.14 Issues	6
1.15 References	7
1.16 Functional Model	7
1.17 Traceability to other Standards	7
1.18 Disclaimer	7
1.19 Terms of Use	7
1.20 Copyrights	7

1. nl.zorg.PainScore-v4.1

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	24-04-2024
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	07-09-2023
DCM::Supersedes	nl.zorg.Pijnscore-v4.0
DCM::Version	4.1
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.

Publicatieversie 3.2 (31-01-2020)

Bevat: ZIB-927.

Publicatieversie 4.0 (01-09-2020)

Bevat: ZIB-979.

Publicatieversie 4.1 (15-10-2023)

Bevat: ZIB-1952,ZIB-1952, ZIB-2012.

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 0 (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

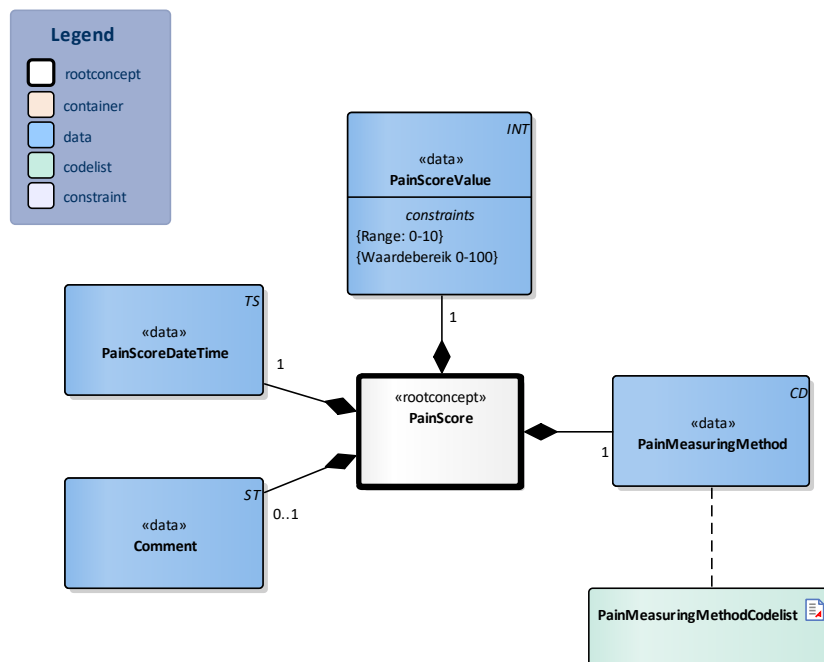
1.4 Purpose

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



«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	

DCM::DefinitionCode	SNOMED CT: 425401001 Pain intensity rating scale	
Opties		

«data»	PainScoreValue	
Definitie	<p>The score is a general measurement of pain experience, not a description of specific, localized pain.</p> <p>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.</p> <p>Sometimes a value range of 0-100 is used instead of 0-10.</p>	

Datatype	INT	
DCM::ConceptId	NL-CM:12.9.2	
DCM::DefinitionCode	SNOMED CT: 225908003 Pain score	
DCM::ExampleValue	2	
Opties		

Constraint	Waardebereik 0-100	
-------------------	--------------------	--

Constraint	Range: 0-10	
-------------------	-------------	--

«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»	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	Required	

DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.12.9.1		
DCM::ValueSetInclude OTH	True		
DCM::ValueSetStatus	Active		
HCIM::ValueSetLangu age	NL		
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
NRS	NRS	PijnMeetmethod e	2.16.840.1.113883.2.4.3.11.60.40.4.9.1
VAS10	VAS10	PijnMeetmethod e	2.16.840.1.113883.2.4.3.11.60.40.4.9.1
VAS100	VAS100	PijnMeetmethod e	2.16.840.1.113883.2.4.3.11.60.40.4.9.1
			Description
			NRS
			VAS10
			VAS100

	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

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

1.9 Instructions

PainScore can be used from HCIM 2020 as a building block within the zib PainCharacteristics. In this, details about pain are recorded. If other characteristics of the pain are recorded in addition to PainScore, the PainCharacteristics HCIM should be used. Among other things, the AnatomicalLocation concept previously included in PainScore is now found in PainCharacteristics.

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

The Health and Care Information Models (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating parties are not liable for any damages resulting from omissions or inaccuracies in the information provided, nor are they liable for damages resulting from problems caused by or inherent to distributing information on the internet, such as malfunctions, interruptions, errors or delays in information or services provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating parties will also not accept liability for any damages resulting from the use of data, advice or ideas provided by or on behalf of the parties by means of the Health and Care Information Models. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model documents and files, the most recent and highest version of the listed order in the revisions will indicate the priority of the documents in question. If information included in the digital version of a Health and Care Information Model is also distributed in writing, the written version will be leading in case of textual differences. This will apply if both have the same version number and date. A definitive version has priority over a draft version. A revised version has priority over previous versions.

1.19 Terms of Use

The user may use the Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

1.20 Copyrights

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NC-SA-3.0).

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (see also <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl



