

# Zorginformatiebouwsteen:

nl.zorg.PainScore-v4.1

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# 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            | 15-10-2023   |
| DCM::PublicationStatus          | Prepublished   |
| 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.

## 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

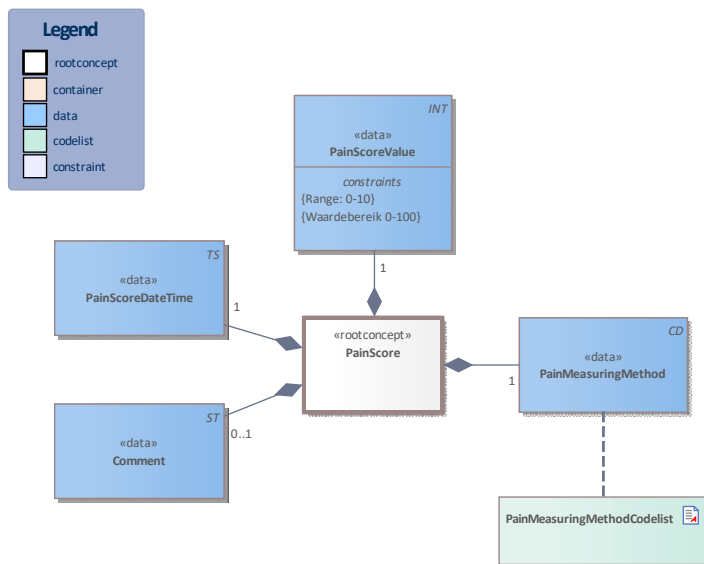
## 1.4 Purpose

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



|                      |  |
|----------------------|--|
| <b>«rootconcept»</b> | <b>PainScore</b>   |
| <b>Definitie</b>     | Root concept of the PainScore information model. This root concept |

|                            |  |  |
|----------------------------|--|--|
|                            | contains all data elements of the PainScore information model. |  |
| <b>Datatype</b>            |  |  |
| <b>DCM::ConceptId</b>      | NL-CM:12.9.1   |  |
| <b>DCM::DefinitionCode</b> | SNOMED CT: 425401001   |  |
|                            | Pain intensity rating scale                                    |  |
| <b>Opties</b>              |  |  |

|                  |   |  |
|------------------|---|--|
| <b>«data»</b>    | <b>PainScoreValue</b>   |  |
| <b>Definitie</b> | <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> |  |

|                            |                      |  |
|----------------------------|----------------------|--|
| <b>Datatype</b>            | INT                  |  |
| <b>DCM::ConceptId</b>      | NL-CM:12.9.2         |  |
| <b>DCM::DefinitionCode</b> | SNOMED CT: 225908003 |  |
|                            | Pain score           |  |
| <b>DCM::ExampleValue</b>   | 2                    |  |
| <b>Opties</b>              |                      |  |

|                   |                    |  |
|-------------------|--------------------|--|
| <b>Constraint</b> | Waardebereik 0-100 |  |
|-------------------|--------------------|--|

|                   |             |  |
|-------------------|-------------|--|
| <b>Constraint</b> | Range: 0-10 |  |
|-------------------|-------------|--|

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

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

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

|                   |                                    |  |
|-------------------|------------------------------------|--|
| <b>«document»</b> | <b>PainMeasuringMethodCodeList</b> |  |
| <b>Definitie</b>  |                                    |  |

|                               |   |
|-------------------------------|---|
| <b>Datatype</b>               |   |
| <b>DCM::ValueSetBinding</b>   | Required                                  |
| <b>DCM::ValueSetId</b>        | 2.16.840.1.113883.2.4.3.11.60.40.2.12.9.1 |
| <b>HCIM::ValueSetLanguage</b> | NL  |
| <b>Opties</b>                 |   |

| 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      |

| Legend           |  |
|------------------|--|
| <b>Definitie</b> |  |
| <b>Datatype</b>  |  |
| <b>Opties</b>    |  |

## 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

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