

# **Health & Care Information Model: nl.zorg.ChecklistPainBehaviour-v1.2**

Status: Final

Release status: Prepublished

# Content

<b>1. nl.zorg.ChecklistPainBehaviour-v1.2</b> .....	<b>3</b>
1.1 Revision History.....	3
1.2 Concept.....	3
1.3 Mindmap.....	3
1.4 Purpose.....	3
1.5 Patient Population.....	4
1.6 Evidence Base.....	4
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.....	9
1.17 Traceability to other Standards.....	9
1.18 Disclaimer.....	9
1.19 Terms of Use.....	9
1.20 Copyrights.....	9

# 1. nl.zorg.ChecklistPainBehaviour-v1.2

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	1-12-2016
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	zorg
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.12.17
DCM::KeywordList	Pijnscore, assessment, CPG
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.ChecklistPijngedrag
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	07-09-2023
DCM::Supersedes	nl.zorg.ChecklistPijngedrag-v1.1.1
DCM::Version	1.2
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.1 (31-01-2020)  
Bevat: ZIB-923.

Publicatieversie 1.1.1 (10-06-2022)  
Bevat: ZIB-1638.

Publicatieversie 1.2 (15-10-2023)  
Bevat: ZIB-1946.

## 1.2 Concept

The CPB (Checklist Pain Behaviour) is a pain assessment tool, that is used to assess pain in children with a limited expressive repertoire or with a profound cognitive impairment, by observing their behaviour. The CPB has ten observations that need to be addressed. The final score indicates whether the observed child suffers pain and 'how much'. The score is often combined with a VAS score that is completed by the nurses on basis of clinical experience.

## 1.3 Mindmap

## 1.4 Purpose

A pain assessment tool is an instrument for determining the intensity of pain and can be useful in order to determine the effectiveness of pain treatment interventions (pharmacological or non-pharmacological). For children with a limited expressive repertoire it is nevertheless difficult to differentiate between pain or

distress/anxiety. This difference is relevant in determining the treatment. The score on a pain observation instrument remains a snapshot in time.

## 1.5 Patient Population

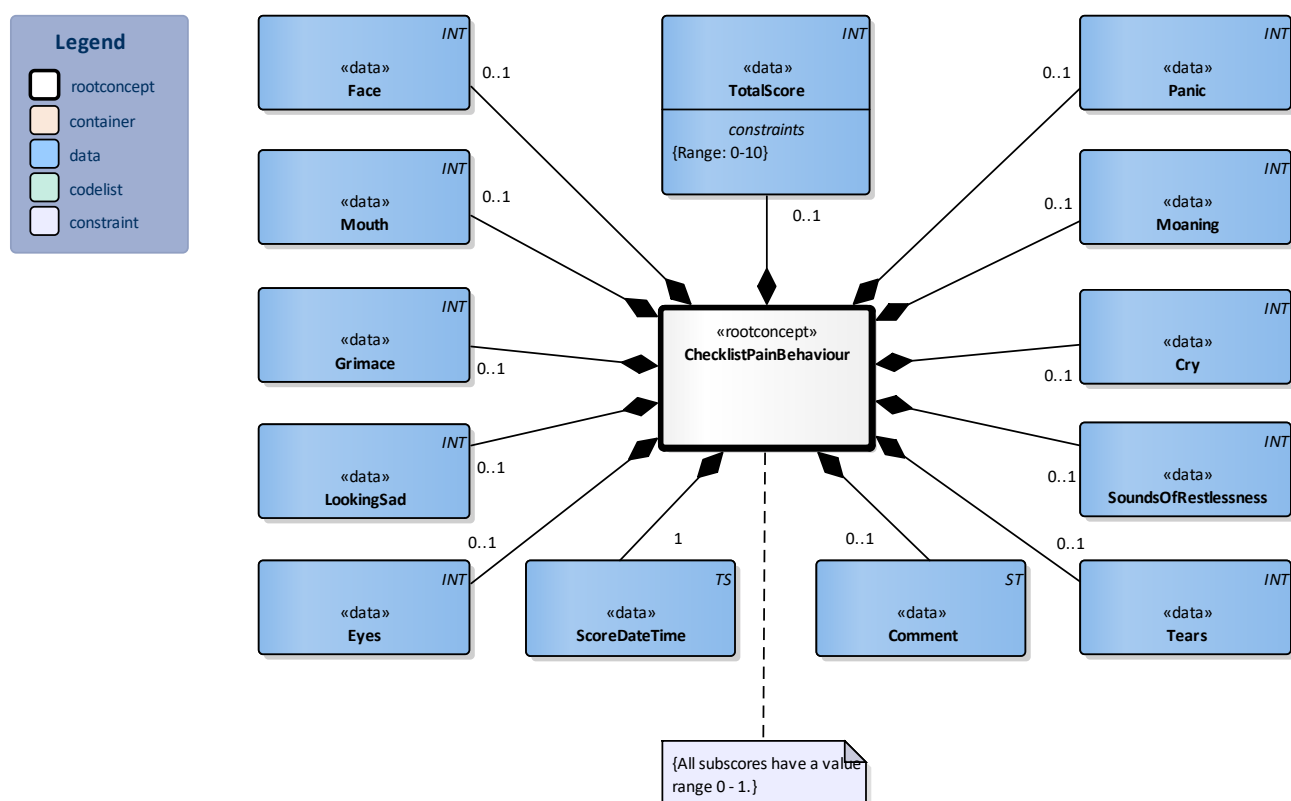
The pain assessment tool CPB is developed for children with limited expressive repertoire or a profound cognitive impairment.

## 1.6 Evidence Base

For determining the degree of pain in children with difficulty expressing themselves there are diverse pain observation instruments available:

- CPB
- Comfort Behaviour scale/ ComfortNeo scale
- FLACC

## 1.7 Information Model



«rootconcept»	ChecklistPainBehaviour	
<b>Definitie</b>	Root concept of the ChecklistPainBehaviour information model. This root concept contains all data elements of the ChecklistPainBehaviour information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:12.17.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 108331000146104 Pain Behaviour Checklist	
<b>Opties</b>		

«data»	TotalScore	
<b>Definitie</b>	The total score is the sum of all the individual scores. The total score has a range from 0 - 10.	

<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.2	
<b>DCM::DefinitionCode</b>	SNOMED CT: 48981000146100 Pain Behaviour Checklist total score	
<b>Opties</b>		
<b>Constraint</b>	Range: 0-10	Voeg hier de Engelse definitie in

<b>«data»</b>	<b>Face</b>	
<b>Definitie</b>	Tense face; one or more muscles in the face are tensed.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.3	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017003 ChecklistPainBehaviour Face	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Mouth</b>	
<b>Definitie</b>	Deeper naso-labial furrow; the line between the nose and mouth (naso-labial furrow) is deeper and aside.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.4	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017004 ChecklistPainBehaviour Mouth	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Grimace</b>	
<b>Definitie</b>	Grimace; the co-occurrence of: furrowed eyebrows; eyes that are composed or pinched; a deeper line between the nose and mouth; opened mouth.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.5	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017005 ChecklistPainBehaviour Grimace	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>LookingSad</b>	
<b>Definitie</b>	Looking sad, almost in tears: eyebrows which have been pulled up laterally on the inner sides; wrinkles in the forehead, especially over the nose; eyes are squeezed; mouth drawn down possibly combined with a pout.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.6	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017006 ChecklistPainBehaviour LookingSad	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Eyes</b>	
<b>Definitie</b>	Eyes squeezed. Note: Do NOT score as present when the child is blinking or when the eyes are still closed without blinking.	

<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.7	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017007 ChecklistPainBehaviour Eyes	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Panic</b>	
<b>Definitie</b>	Panics, panic attack: an extreme form of anxiety which manifests itself in random restless body movements or violent resistance. This may be associated with an anxious look characterized by large widely opened eyes and eyebrows which are on the inner side raised up.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.8	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017008 ChecklistPainBehaviour Panic	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Moaning</b>	
<b>Definitie</b>	Moaning, groaning; monotonous sound on plaintive tone.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.9	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017009 ChecklistPainBehaviour Moaning	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Cry</b>	
<b>Definitie</b>	Cries softly; crying is accompanied by a shocking breath.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.10	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017010 ChecklistPainBehaviour Cry	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>SoundsOfRestlessness</b>	
<b>Definitie</b>	Penetrating sounds of restlessness: sudden or longer lasting intense cries or verbal expressions of pain, such as 'ow' or 'you hurt me'.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.11	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017011 ChecklistPainBehaviour SoundsOfRestlessness	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>Tears</b>	
<b>Definitie</b>	Tears: child produces tears in at least one eye, so more than just watery eyes.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.12	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 12017012 ChecklistPainBehaviour Tears	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>Opties</b>		

<b>«data»</b>	<b>ScoreDateTime</b>	
---------------	----------------------	--

<b>Definitie</b>	The date and time at which the CPB score was determined.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:12.17.13	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	A comment on the circumstances during the measurement.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:12.17.14	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

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

	<b>Constraint</b>	
<b>Definitie</b>	All subscores have a value range 0 - 1.	
<b>Datatype</b>		
<b>Opties</b>		

## 1.8 Example Instances

<b>ChecklijstPijnGedrag</b>	
ScoreDatumTijd	19-12-2016, 10.45 uur
Gespannen gezicht	1
Lijn tussen neus en mondhoek dieper	0
Grimas	1
Verdrietige blik, bijna in tranen	0
Ogen dicht knijpen	1
Paniekerig, paniek reactie	1
Kreunen, jammeren	1
Huilen, snikken	0
Indringende onrustgeluiden	1
Tranen	0
Totaalscore	6
Toelichting	pijn gemeten i.v.m. toegenomen onrust

## 1.9 Instructions

### 1.10 Interpretation

Interpretation of the total score:

0: relaxed and comfortable

1–3: mild discomfort

4–6: moderate pain

7–10: severe discomfort or pain or both

### 1.11 Care Process

### 1.12 Example of the Instrument

### 1.13 Constraints

### 1.14 Issues

### 1.15 References

1. Pijnobservatielijst CPG – Checklist pijngedrag [Online] Beschikbaar op:

[http://www.kennispleingehandicaptensector.nl/gehandicaptenzorg/Pijnobservatielijst\\_CPG\\_Checklist\\_pijngedrag](http://www.kennispleingehandicaptensector.nl/gehandicaptenzorg/Pijnobservatielijst_CPG_Checklist_pijngedrag) [Geraadpleegd: 1 december 2016]

2. Richtlijn Pijnmeting en Behandeling van pijn bij kinderen, NVK, 2007 [Online] Beschikbaar op:

<https://www.nvk.nl/Kwaliteit/Richtlijnenoverzicht/Details/tabid/1558/articleType/ArticleView/articleId/760/Pijn-meting-en-behandeling-van.aspx> [Geraadpleegd: 21 december 2016]

3. Onderbouwing richtlijn Signaleren van Pijn bij mensen met een verstandelijke beperking” V&VN, februari 2015 [Online] Beschikbaar op

<https://www.venvn.nl/Portals/1/Nieuws/2015%20documenten/Multidisciplinaire%20richtlijn%20Signaleren%20van%20pijn%20bij%20mensen%20met%20een%20verstandelijke%20beperking.pdf> [Geraadpleegd: 21 december 2016]

### 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.