

# Health & Care Information Model: nl.zorg.ChecklistPainBehavior-v1.0

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# Content

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# 1. nl.zorg.ChecklistPainBehavior-v1.0

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## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 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

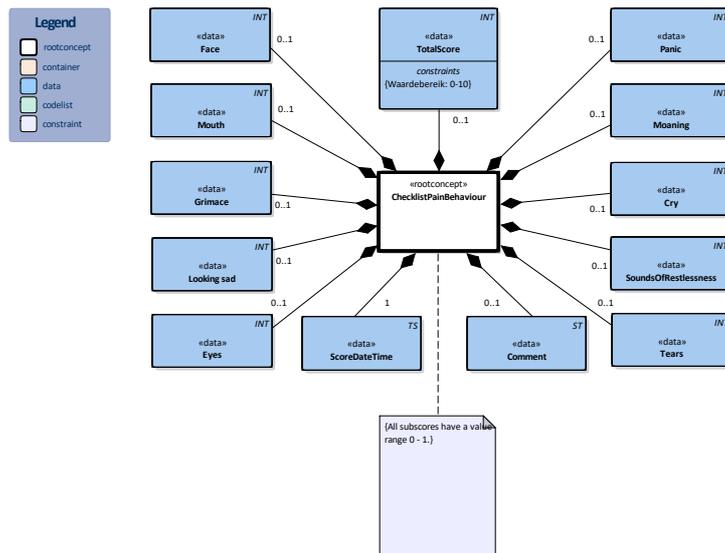
The pain assessment tool CPB is developed for children with limited expressive repertoire or a profound cognitive impairment.

## 1.6 Evidence Base

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

- CPB
- Comfort behaviour scale/ Comfortneo scale
- Flacc

## 1.7 Information Model



«rootconcept»	ChecklistPainBehaviour	
Definitie	Root concept of the ChecklistPainBehaviour information model. This root concept contains all data elements of the ChecklistPainBehaviour information model.	
Datatype		
DCM::ConceptId	NL-CM:12.17.1	
Opties		

«data»	TotalScore	
Definitie	The total score is the sum of all the individual scores. The total score has a range from 0 - 10.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.17.2	
Opties		
Constraint	Waardebereik: 0-10	Voeg hier de Engelse definitie in

«data»	Face	
Definitie	Tense face; one or more muscles in the face are tensed.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.17.3	
Opties		

«data»	Mouth	
Definitie	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>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>Opties</b>		

<b>«data»</b>	<b>Looking sad</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>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>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>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>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>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 "au" or "you hurt me".	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:12.17.11	

<b>Opties</b>	
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<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>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>		

## 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.kennispleingehandictensector.nl/gehandicaptenzorg/Pijnobservatielijst\\_CPG\\_Checklist\\_pijngedrag](http://www.kennispleingehandictensector.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

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