Health & Care Information Model:

nl.zorg.ChecklistPainBehaviour-v1.2

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Content

1. nl.zorg.ChecklistPainBehaviour-v1.2

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1.1 Revision History

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Publicatieversie 1.1 (31-01-2020)
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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.
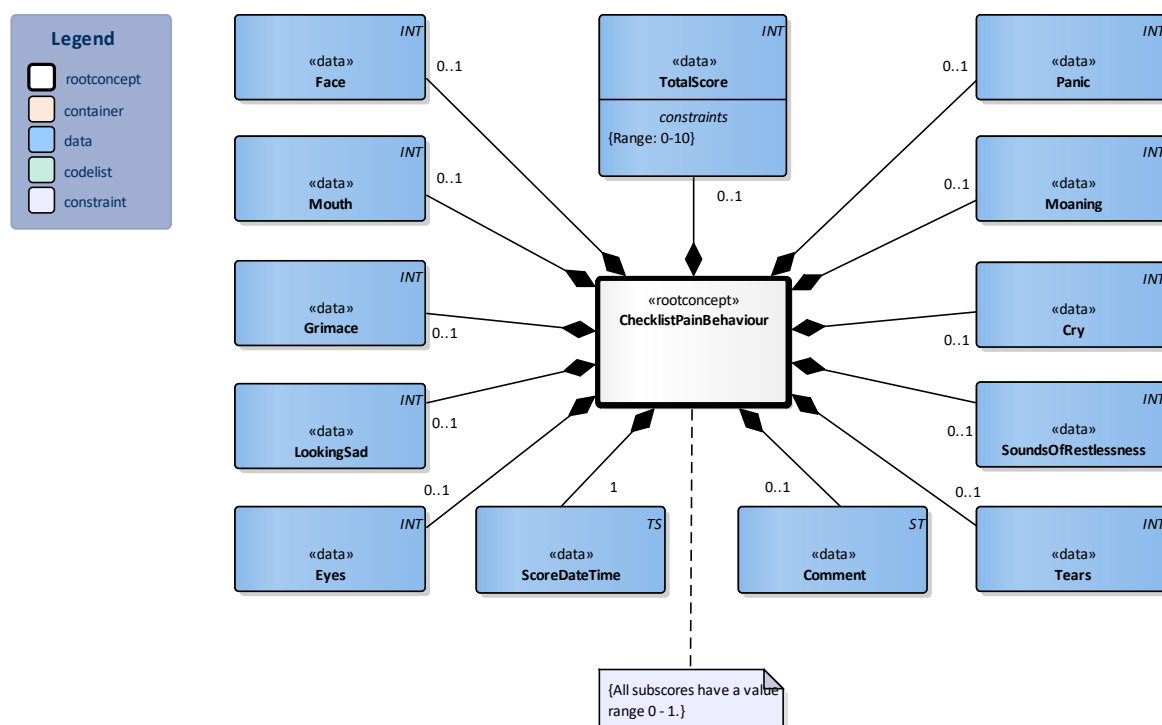
1.5 Patient Population

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	
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	
DCM::DefinitionCode	SNOMED CT: 108331000146104 Pain Behaviour Checklist	
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	

DCM::DefinitionCode	SNOMED CT: 48981000146100 Pain Behaviour Checklist total score	
Opties		
Constraint	Range: 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	
DCM::DefinitionCode	ScoreObservaties: 12017003 ChecklistPainBehaviour Face	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
Opties		

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

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

«data»	LookingSad	
Definitie	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.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.17.6	
DCM::DefinitionCode	ScoreObservaties: 12017006 ChecklistPainBehaviour LookingSad	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
Opties		

«data»	Eyes	
Definitie	Eyes squeezed. Note: Do NOT score as present when the child is blinking or when the eyes are still closed without blinking.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.17.7	

DCM::DefinitionCode	ScoreObservaties: 12017007 ChecklistPainBehaviour Eyes	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
Opties		

«data»	Panic	
Definitie	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.	
Datatype	INT	
DCM::ConceptId	NL-CM:12.17.8	
DCM::DefinitionCode	ScoreObservaties: 12017008 ChecklistPainBehaviour Panic	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
Opties		

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

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

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

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

«data»	ScoreDateTime
Definitie	The date and time at which the CPB score was determined.
Datatype	TS

DCM::ConceptId	NL-CM:12.17.13	
Opties		

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

	Legend
Definitie	
Datatype	
Opties	

	Constraint
Definitie	All subscores have a value range 0 - 1.
Datatype	
Opties	

1.8 Example Instances

ChecklijstPijnGedrag	
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 onruistgeluiden	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

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3. Onderbouwing richtlijn Signaleren van Pijn bij mensen met een verstandelijke beperking" V&VN, februari
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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

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