Health & Care Information Model:

nl.zorg.FLACCpainScale-v1.0

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Content

1. nl.zorg.FLACCpainScale-v1.0

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1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

1.2 Concept

The FLACC (Faces, Legs, Activity, Cry and Consolability) is a pain assessment tool, that is used to assess pain in children aged 0-7 years old by observing their behaviour.
The FLACC has five subscales 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 NRS-score that is completed by the nurses on basis of clinical experience.

1.3 Mindmap

1.4 Purpose

A pain assessment instrument is a tool in determining the intensity of pain and can be useful in order to determine the effectiveness of pain treatment interventions (pharmacological or non-pharmacological). For young children, it is nevertheless difficult to differentiate between pain or distress/anxiety. This difference is relevant in determining the treatment. The score on a pain assessment instrument remains a snapshot in time.
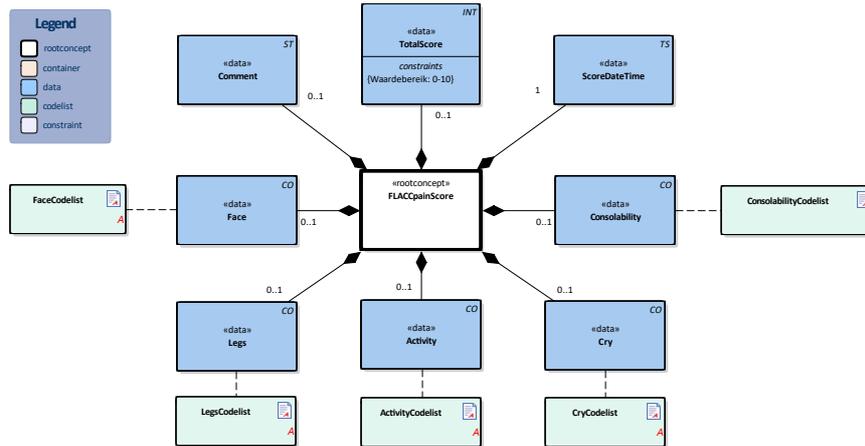
1.5 Patient Population

The FLACC assessment score used to assess pain in children between the ages of 0 and 7 years

1.6 Evidence Base

For assessing the degree of pain in children with difficulty expressing themselves a number of pain observation instruments exist:

- CPB
- Comfort Behaviour Scale/ Comfortneo Scale
- FLACC

1.7 Information Model

«rootconcept»	FLACCpainScore	
Definitie	Root concept of the FLACCpainScale information model. This root concept contains all data elements of the FLACCpainScale information model.	
Datatype		
DCM::ConceptId	NL-CM:12.13.1	
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:12.13.2	
Opties		
Constraint	Waardebereik: 0-10	Voeg hier de Engelse definitie in

«data»	Face	
Definitie	Observation Faces; The extent to which the child's expression on the face is tensed, grimace, tension of jaws.	
Datatype	CO	
DCM::ConceptId	NL-CM:12.13.3	
DCM::ValueSet	FaceCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.1
Opties		

«data»	Legs	
Definitie	Observation legs: the extent to which the child is restless (body and legs).	
Datatype	CO	
DCM::ConceptId	NL-CM:12.13.4	

DCM::ValueSet	LegsCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.2
Opties		

«data»	Activity	
Definitie	Observation activity: the extent to which the child is restless and has tense muscles.	
Datatype	CO	
DCM::ConceptId	NL-CM:12.13.5	
DCM::ValueSet	ActivityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.3
Opties		

«data»	Cry	
Definitie	Observation Crying: the extent to which the child is crying, whimpers or laments.	
Datatype	CO	
DCM::ConceptId	NL-CM:12.13.6	
DCM::ValueSet	CryCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.4
Opties		

«data»	Consolability	
Definitie	Observation Consolability: the extent to which the child is consolable.	
Datatype	CO	
DCM::ConceptId	NL-CM:12.13.9	
DCM::ValueSet	ConsolabilityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.5
Opties		

«data»	ScoreDateTime	
Definitie	The date and time at which the FLACC score was determined.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.13.11	
Opties		

«data»	Comment	
Definitie	A comment on the circumstances during the measurement.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.13.12	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	ActivityCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.13.3	
Opties		

ActiviteitCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.3		
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description

Lying quiet	Act0	0	FLACC_Activiteit	2.16.840.1.113883.2.4.3.11.60.40.4.21.3	Ligt rustig, in een normale houding, maakt rustige bewegingen
Squirming	Act1	1	FLACC_Activiteit	2.16.840.1.113883.2.4.3.11.60.40.4.21.3	Kronkelt, wringt zich in bochten, verandert steeds van houding, is gespannen
Arched	Act2	2	FLACC_Activiteit	2.16.840.1.113883.2.4.3.11.60.40.4.21.3	Overstrekt zich, trekt een holle rug of ligt ineengekrompen, is verstijfd of maakt schokkende bewegingen

«document»	FaceCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.13.1	
Opties		

GezichtCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.1		
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description
No particular expression	Face0	0	FLACC_Gezicht	2.16.840.1.113883.2.4.3.11.60.40.4.21.1	Vertoont geen specifieke expressie of glimlach
Occasional grimace	Face1	1	FLACC_Gezicht	2.16.840.1.113883.2.4.3.11.60.40.4.21.1	Fronst af en toe of trekt een grimas, is teruggetrokken, ongeïnteresseerd
Frequent to constant frown	Face2	2	FLACC_Gezicht	2.16.840.1.113883.2.4.3.11.60.40.4.21.1	Fronst regelmatig tot voortdurend, klemt de kaken op elkaar, heeft een trillende kin

«document»	ConsolabilityCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.13.5	
Opties		

TroostbaarCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.5		
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description
Content	Cons0	0	FLACC_Troostbaar	2.16.840.1.113883.2.4.3.11.60.40.4.21.5	Is tevreden, ontspannen
Consolable, distractable	Cons1	1	FLACC_Troostbaar	2.16.840.1.113883.2.4.3.11.60.40.4.21.5	Is te troosten door af en toe aan te raken, te knuffelen of toe te spreken; laat zich afleiden
Difficult to console	Cons2	2	FLACC_Troostbaar	2.16.840.1.113883.2.4.3.11.60.40.4.21.5	Is moeilijk te troosten of op te beuren

«document»	LegsCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.13.2	
Opties		

BenenCodelijst				OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.2	
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description
Normal position	Legs0	0	FLACC_Legs	2.16.840.1.113883.2.4.3.11.60.40.4.21.2	Normale houding en/of ontspannen
Restless	Legs1	1	FLACC_Legs	2.16.840.1.113883.2.4.3.11.60.40.4.21.2	Ongemakkelijk, onrustig, gespannen
Kicking	Legs2	2	FLACC_Legs	2.16.840.1.113883.2.4.3.11.60.40.4.21.2	Schopt of heeft opgetrokken benen

«document»	CryCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.13.4	
Opties		

HuilenCodelijst				OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.13.4	
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description
No cry	Cry0	0	FLACC_Huilen	2.16.840.1.113883.2.4.3.11.60.40.4.21.4	Huilt niet (wakker of slapend)
Moans	Cry1	1	FLACC_Huilen	2.16.840.1.113883.2.4.3.11.60.40.4.21.4	Kreunt, kermt of jengelt; klaagt af en toe
Crying constantly	Cry2	2	FLACC_Huilen	2.16.840.1.113883.2.4.3.11.60.40.4.21.4	Huilt voortdurend, schreeuwt of jammert, klaagt veelvuldig

	Legend	
Definitie		
Datatype		
Opties		

1.8   Example Instances

FLACCpijnScore	
ScoreDatumTijd	21-12-2016 12:05
Gezicht	1 (Fronst af en toe of trekt een grimas, is teruggetrokken, ongeïnteresseerd)
Benen	2 (Schopt of heeft opgetrokken benen)
Activiteit	1 (Kronkelt, wringt zich in bochten, verandert steeds van houding, is gespannen)
Huilen	0 (Huilt niet (wakker of slapend))
Troostbaar	2 (Is moeilijk te troosten of op te beuren)
Totaalscore	6
Toelichting	Controle voor toediening pijnmedicatie.

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. Stichting Kind&Pijn [Online] Beschikbaar op: http://www.kind-pijn.org/ [Geraadpleegd: 2 augustus 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]

1.16   Functional Model

1.17   Traceability to other Standards

1.18   Disclaimer

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