

Health & Care Information Model:

nl.zorg.StrongKidsScore-v1.1

Status: Final

Release: 2023

Release status: Prepublished

Managed by:



Content

1. nlzorg.StrongKidsScore-v1.1	3
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	3
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	8
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	8
1.17 Traceability to other Standards	9
1.18 Disclaimer	9
1.19 Terms of Use	9
1.20 Copyrights	9

1. nl.zorg.StrongKidsScore-v1.1

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	28-7-2016
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	zorg
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.28
DCM::KeywordList	Ondervoeding, ondervoedingsscore, StrongKids, malnutrition
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.StrongKidsScore
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	09-01-2020
DCM::Supersedes	nl.zorg.StrongKidsScore-v1.0
DCM::Version	1.1
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.1 (31-01-2020)

Bevat: ZIB-932.

1.2 Concept

The StrongKids score is a (validated) measuring tool for determining the extent of a child's malnutrition. StrongKids is developed to recognize and treat malnutrition in children aged > 1 month to 18 years in a hospital setting.

The tool comprises four questions, each of which is assigned a score. The total score determines the extent of malnutrition.

(STRONGkids= Screening Tool Risk On Nutritional Status and Growth)

1.3 Mindmap

1.4 Purpose

The StrongKids score is used to determine the extent of malnutrition or the risk of malnutrition. To treat malnutrition quickly and effectively, it is important to identify the malnutrition at an early stage.

1.5 Patient Population

The StrongKids screening is meant for patients aged 1 month to 18 years of age who are admitted to the

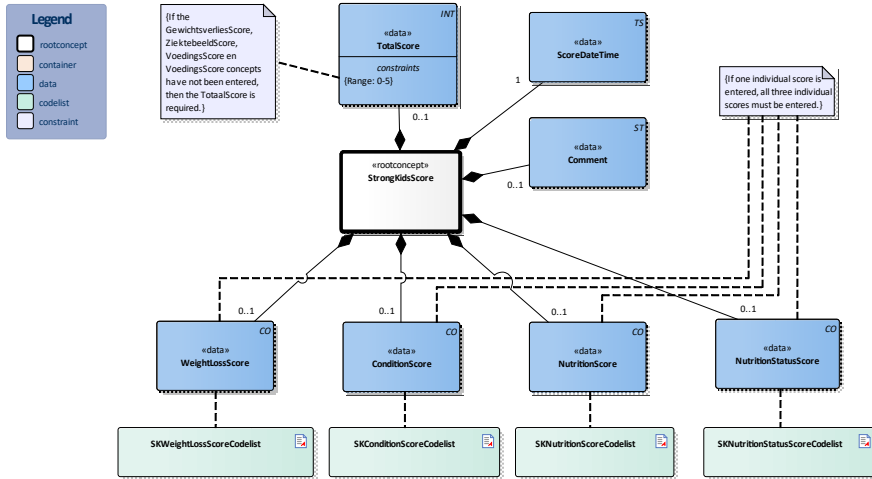
hospital.

1.6 Evidence Base

To determine the extent of malnutrition, SNAQ has a number of tools, validated for different settings:

- The SNAQ was developed for adults admitted to hospital
- The SNAQ65+ was developed for the group of seniors (> over 65) who live at home and who may make use of care at home.
- The SNAQrc (Short Nutritional Assessment Questionnaire for Residential Care) is available for screening for malnutrition in nursing and retirement homes.
- The STRONGkids tool is available for screening for malnutrition among children.

1.7 Information Model



«rootconcept»	StrongKidsScore
Definitie	Root concept of the StrongKidsScore information model. This root concept contains all data elements of the StrongKidsScore information model.
Datatype	
DCM::ConceptId	NL-CM:4.28.1
DCM::DefinitionCode	SNOMED CT: 108341000146107 STRONGkids risk screening tool
Opties	

«data»	TotalScore
Definitie	The total score is the sum of all the individual scores. The total score has a range from 0 - 5.
Datatype	INT
DCM::ConceptId	NL-CM:4.28.2
DCM::DefinitionCode	SNOMED CT: 108911000146107 Short Nutritional Questionnaire total score

Opties	
Constraint	Range: 0-5 Voeg hier de Engelse definitie in

«data»	ScoreDateTime
Definitie	The date and time at which the StrongKids score was determined.
Datatype	TS
DCM::ConceptId	NL-CM:4.28.6
Opties	

«data»	Comment
Definitie	A comment on the circumstances during the measurement.
Datatype	ST
DCM::ConceptId	NL-CM:4.28.7
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment
Opties	

«data»	WeightLossScore
Definitie	The score based on undesired weight loss or arrest in growth or weight gain over the past weeks to month(s).
Datatype	CO
DCM::ConceptId	NL-CM:4.28.3
DCM::DefinitionCode	ScoreObservaties: 4028003 StrongKidsScore WeightLossScore OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SKWeightLossScoreCodelist OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.1
Opties	

«data»	ConditionScore
Definitie	The score based on the presence of a condition that can cause an increased risk of malnutrition. A list with conditions with increased risk is given is reference [1]
Datatype	CO
DCM::ConceptId	NL-CM:4.28.4
DCM::DefinitionCode	ScoreObservaties: 4028004 StrongKidsScore ConditionScore OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SKConditionScoreCodelist OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.2
Opties	

«data»	NutritionScore
Definitie	The score based on the presence of aspects that indicate a deteriorated nutrition status: - excessive diarrhea and/or vomiting - use of fluid or enteral nutrition - reduced intake of food during the past 1-3 days - obstruction of food intake by pain
Datatype	CO
DCM::ConceptId	NL-CM:4.28.5

DCM::DefinitionCode	ScoreObservaties: 4028005 StrongKidsScore NutritionScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SKNutritionScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.3
Opties		

«data»	NutritionStatusScore	
Definitie	The score gives an indication of the nutrition status of the patient based on the professional opinion of the healthcare professional.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.28.8	
DCM::DefinitionCode	ScoreObservaties: 4028008 StrongKidsScore NutritionStatusScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SKNutritionStatusScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.4
Opties		

«document»	SKWeightLossScoreCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.28.1	
HCIM::ValueSetLanguage	EN	
Opties		

SKGewichtsverliesScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.1		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
NoLoss	0	G0	SK_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.17.1	Geen gewichtsverlies of stilstand in groei/gewicht
LossOfWeight	1	G2	SK_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.17.1	Gewichtsverlies of stilstand in groei/gewicht aanwezig

«document»	SKConditionScoreCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.28.2	
HCIM::ValueSetLanguage	EN	
Opties		

SKZiektebeeldScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.2		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
NoRisk	0	R0	SK_Ziektebeeld	2.16.840.1.113883.2.4.3.11.60.40.4.17.2	Geen ziektebeeld met verhoogd risico
IncreasedRisk	2	R1	SK_Ziektebeeld	2.16.840.1.113883.2	Ziektebeeld met verhoogd

				.4.3.11.60.40.4.17.2	risico aanwezig
--	--	--	--	----------------------	-----------------

«document»		SKNutritionScoreCodelist			
Definitie					
Datatype					
DCM::ValueSetBinding		Required			
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.28.3			
HCIM::ValueSetLanguage		NL			
Opties					

SKVoedingsScoreCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.3			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Normaal	0	Z0	SK_Voeding	2.16.840.1.113883.2.4.3.11.60.40.4.17.3	Normale voedselinname
Verminderd	1	Z1	SK_Voeding	2.16.840.1.113883.2.4.3.11.60.40.4.17.3	Verminderde voedselinname

«document»		SKNutritionStatusScoreCodelist			
Definitie					
Datatype					
DCM::ValueSetBinding		Required			
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.28.4			
HCIM::ValueSetLanguage		NL			
Opties					

SKVoedingstoestandCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.28.4			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Goed	0	T0	SK_Voedingstoestand	2.16.840.1.113883.2.4.3.11.60.40.4.17.4	Goede voedingstoestand
Slecht	1	T1	SK_Voedingstoestand	2.16.840.1.113883.2.4.3.11.60.40.4.17.4	Slechte voedingstoestand

Legend	
Definitie	
Datatype	
Opties	

Constraint	
Definitie	
If one individual score is entered, all three individual scores must be entered.	

Datatype	
Opties	

Constraint	
Definitie	If the GewichtsverliesScore, ZiektebeeldScore, VoedingsScore en VoedingsScore concepts have not been entered, then the TotaalScore is required.
Datatype	
Opties	

1.8 Example Instances

StrongKidsScore	
ScoreDatumTijd	12-12-2016
GewichtsverliesScore	0 (Geen gewichtverlies of stilstand in groei/ gewicht)
ZiektebeeldScore	2 (Ziektebeeld met verhoogd risico aanwezig)
VoedingsScore	0 (Normale voedselinname)
VoedingstoestandScore	0 (Goede voedingstoestand)
TotaalScore	2
Toelichting	-

1.9 Instructions

1.10 Interpretation

1.11 Care Process

1.12 Example of the Instrument

1.13 Constraints

1.14 Issues

1.15 References

1. StrongKids, Stuurgroep Ondervoeding [Online] Beschikbaar op: <http://www.stuurgroepondervoeding.nl/toolkits/screeningsinstrument> [Geraadpleegd: 28 juli 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.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz
P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl



