

# Health & Care Information Model:

## nl.zorg.SNAQScore-v3.3

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# Content

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# 1. nl.zorg.SNAQScore-v3.3

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	12-2-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	zorg
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.6
DCM::KeywordList	Ondervoeding, ondervoedingscore, SNAQ, malnutrition
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DCM::Version	3.3
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-523.

Publicatieversie 3.2 (31-01-2020)

Bevat: ZIB-931.

Publicatieversie 3.2.1 (10-06-2022)

Bevat: ZIB-1633.

Publicatieversie 3.3 (15-10-2023)

Bevat: ZIB-1729.

## 1.2 Concept

The Short Nutritional Assessment Questionnaire (SNAQ) is a (validated) measuring tool for determining the extent of a patient's malnutrition. The tool comprises three questions, each of which is assigned a score. The total score determines the extent of malnutrition.

The SNAQ helps to recognize and treat malnutrition at an early stage.

Three varieties of the measuring tool were developed for different care settings: hospitals, nursing and retirement homes and independently living seniors. This concept describes the tool intended for the hospital setting.

## 1.3 Mindmap

## 1.4 Purpose

The SNAQ 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

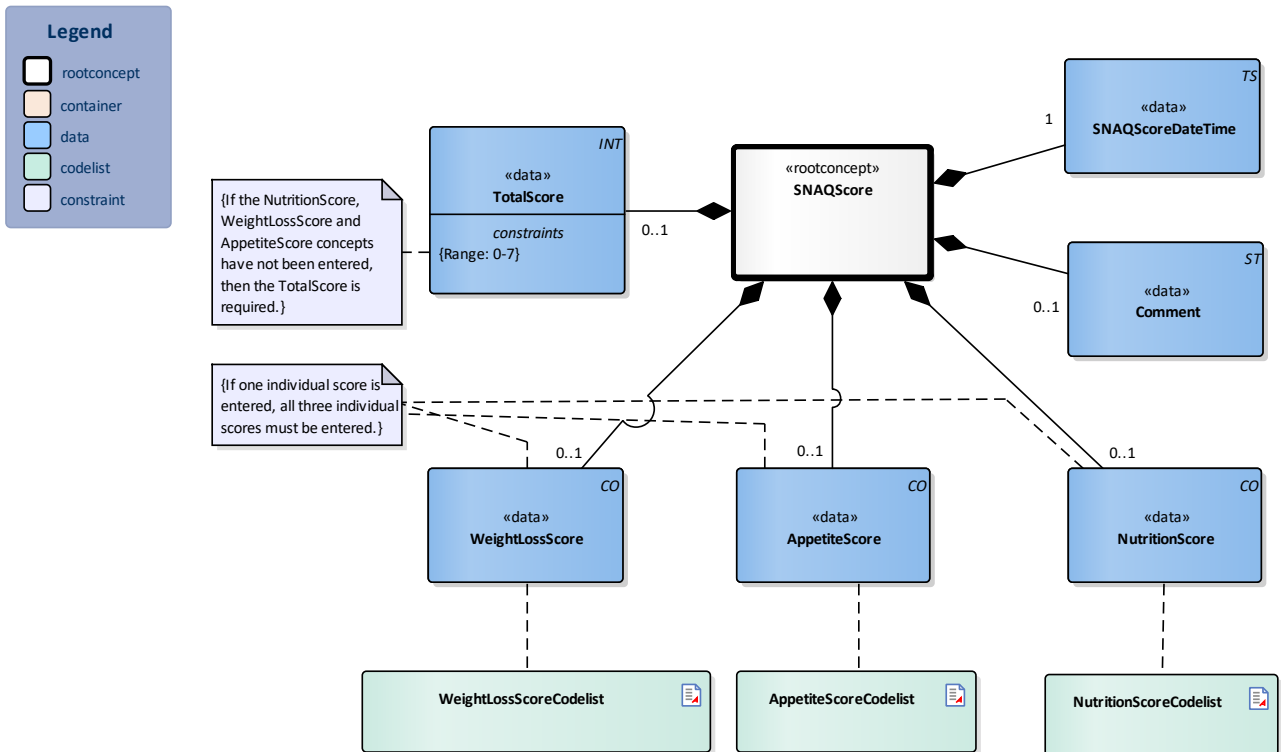
The SNAQ is meant for patients over 18 years of age who are staying at the hospital.

## 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 (age 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»	SNAQScore	
<b>Definitie</b>	Root concept of the SNAQScore information model. This root concept contains all data elements of the SNAQScore information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.6.1	

<b>DCM::DefinitionCode</b>	SNOMED CT: 8881000146104 Short Nutritional Assessment Questionnaire	
<b>Opties</b>		

«data»	WeightLossScore	
<b>Definitie</b>	The score based on undesired weight loss over the past month(s).	
<b>Datatype</b>	CO	
<b>DCM::ConceptId</b>	NL-CM:4.6.3	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 4006003 SNAQScore WeightLossScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>DCM::ValueSet</b>	WeightLossScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.1
<b>Opties</b>		

«data»	AppetiteScore	
<b>Definitie</b>	The score based on a reduced appetite over the past month.	
<b>Datatype</b>	CO	
<b>DCM::ConceptId</b>	NL-CM:4.6.4	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 4006004 SNAQScore AppetiteScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>DCM::ValueSet</b>	AppetiteScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.2
<b>Opties</b>		

«data»	NutritionScore	
<b>Definitie</b>	The score based on the use of fluid or enteral nutrition over the past month.	
<b>Datatype</b>	CO	
<b>DCM::ConceptId</b>	NL-CM:4.6.5	
<b>DCM::DefinitionCode</b>	ScoreObservaties: 4006005 SNAQScore NutritionScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
<b>DCM::ValueSet</b>	NutritionScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.3
<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 - 7.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:4.6.2	
<b>DCM::DefinitionCode</b>	SNOMED CT: 108911000146107 Short Nutritional Questionnaire total score	
<b>Opties</b>		

<b>Constraint</b>	Range: 0-7	
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«data»	SNAQScoreDateTime	
<b>Definitie</b>	The date and time at which the SNAQ score was determined.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:4.6.6	
<b>Opties</b>		

«data»		Comment
Definitie	A comment on the circumstances during the measurement.	
Datatype	ST	
DCM::ConceptId	NL-CM:4.6.7	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»		WeightLossScoreCodelist
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.6.1	
HCIM::ValueSetLanguage	EN	
Opties		

GewichtsverliesScoreCodelijst				OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.1	
Concept Name	Concept Code	Concept Value	Coding Syst. Name	Coding System OID	Description
LossLow	G0	0	SNAQ_Gewichtsverlies	2.16.840.1.113883.2.4.3.1 1.60.40.4.5.1	Geen gewichtverlies
LossAverage	G1	2	SNAQ_Gewichtsverlies	2.16.840.1.113883.2.4.3.1 1.60.40.4.5.1	Meer dan 3 kg in de laatste maand
LossHigh	G2	3	SNAQ_Gewichtsverlies	2.16.840.1.113883.2.4.3.1 1.60.40.4.5.1	Meer dan 6 kg in de laatste 6 maanden
LossBothAverageAndHigh	G3	5	SNAQ_Gewichtsverlies	2.16.840.1.113883.2.4.3.1 1.60.40.4.5.1	Meer dan 3 kg in de laatste maand EN meer dan 6 kg in de laatste 6 maanden.

«document»		AppetiteScoreCodelist
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.6.2	
HCIM::ValueSetLanguage	NL	
Opties		

EetlustScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.2		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Eetlust	0	B0	SNAQ_Eetlust	2.16.840.1.113883.2. 4.3.11.60.40.4.5.2	Normale eetlust
GeenEetlust	1	B1	SNAQ_Eetlust	2.16.840.1.113883.2. 4.3.11.60.40.4.5.2	Verminderde eetlust de afgelopen maand

«document»		NutritionScoreCodelist
Definitie		
Datatype		
DCM::ValueSetBinding	Required	

<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.6.3				
<b>HCIM::ValueSetLanguage</b>	NL				
<b>Opties</b>					
<b>VoedingsScoreCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.6.3</b>		
<b>Concept Name</b>	<b>Concept Value</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
GeenVoeding	0	Z0	SNAQ_Voeding	2.16.840.1.113883.2.4 .3.11.60.40.4.5.3	Geen drink- of sondevoeding
Voeding	1	Z1	SNAQ_Voeding	2.16.840.1.113883.2.4 .3.11.60.40.4.5.3	Drink- of sondevoeding in de afgelopen maand

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

Constraint	
<b>Definitie</b>	If one individual score is entered, all three individual scores must be entered.
<b>Datatype</b>	
<b>Opties</b>	

Constraint	
<b>Definitie</b>	If the NutritionScore, WeightLossScore and AppetiteScore concepts have not been entered, then the TotalScore is required.
<b>Datatype</b>	
<b>Opties</b>	

## 1.8 Example Instances

SNAQScore	
SNAQScoreDatumTijd	27-01-2013
GewichtsverliesScore	3 (Meer dan 6 kg in de laatste 6 maanden)
EetlustScore	1 (Verminderde eetlust de afgelopen maand)
VoedingsScore	0 (Geen drink- of sondevoeding)
TotaalScore	4
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. Stuurgroep Ondervoeding [Online] Beschikbaar op: <http://www.stuurgroepondervoeding.nl/>  
[Geraadpleegd: 13 februari 2015]

## **1.16 Functional Model**

## **1.17 Traceability to other Standards**

## **1.18 Disclaimer**

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