

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

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# Content

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

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## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 1.2 Concept

The Short Nutritional Assessment Questionnaire for Residential Care (SNAQ rc 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 SNAQrc helps to recognize and treat malnutrition at an early stage.

Four varieties of the measuring tool were developed for different care settings: hospitals (adults & children), nursing and retirement homes and independently living seniors. This concept describes the tool intended for the nursing and retirement homes setting.

## 1.3 Mindmap

## 1.4 Purpose

The SNAQrcscore 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

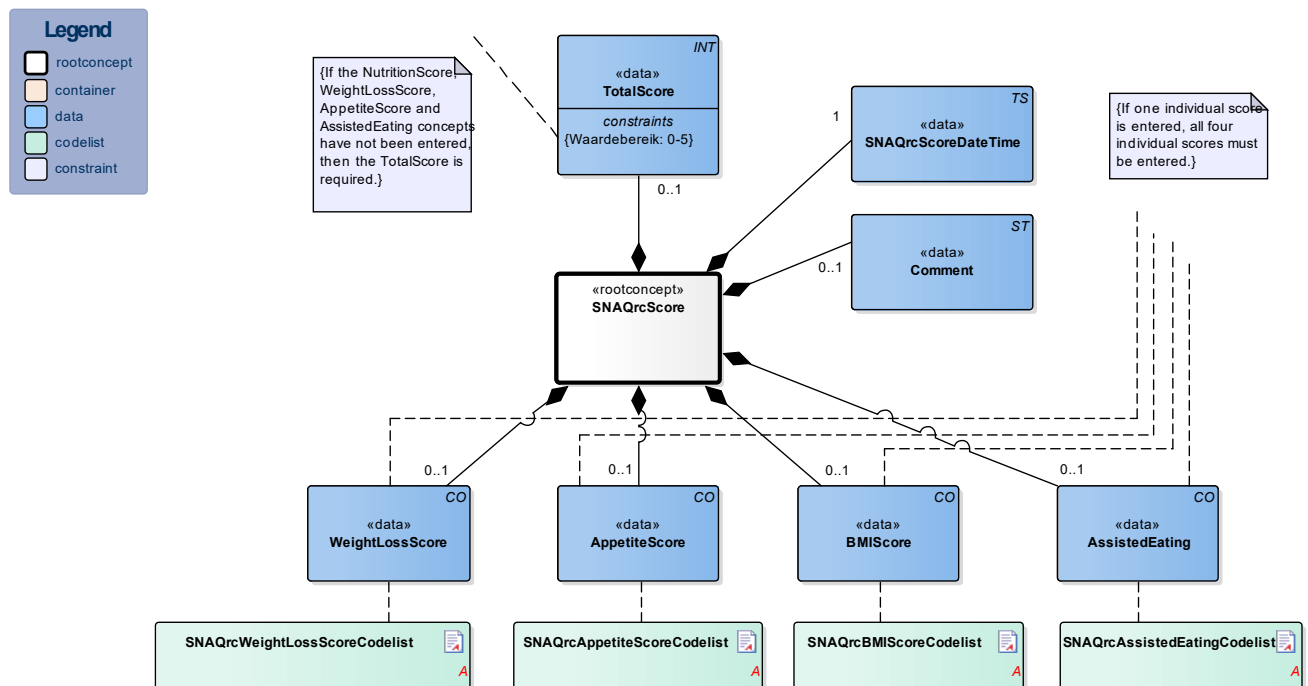
The SNAQrc is meant for patients over 18 years of age who are staying in nursing and retirement homes.

## 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»	SNAQrcScore	
Definitie	Root concept of the SNAQrcScore information model. This root concept contains all data elements of the SNAQrcScore information model.	
Datatype		
DCM::ConceptId	NL-CM:4.29.1	
Opties		

«data»	WeightLossScore	
Definitie	The score based on undesired weight loss over the past month(s).	
Datatype	CO	
DCM::ConceptId	NL-CM:4.29.3	
DCM::ValueSet	SNAQrcWeightLossScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.1
Opties		

«data»	AppetiteScore	
Definitie	The score based on a reduced appetite over the past month.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.29.4	
DCM::ValueSet	SNAQrcAppetiteScoreCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.2
Opties		

«data»	BMIScore	
Definitie	The score based on the BMI of the patient. For a BMI >28 (overweight) the score is not applicable.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.29.5	
DCM::ValueSet	SNAQrcBMIScoreCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3
Opties		

«data»	AssistedEating	
Definitie	The score based on the ability of the patient to eat and drink without assistance.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.29.8	
DCM::ValueSet	SNAQrcAssistedEatingCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.4
Opties		

«data»	TotalScore	
Definitie	<p>The total score is the sum of all the individual scores. The total score has a range from 0 - 5.</p> <p>The relation between the value of the total score and the color outcome of the score tool is:</p> <p>0 = green 1= orange 2 and higher = red.</p>	
Datatype	INT	
DCM::ConceptId	NL-CM:4.29.2	
Opties		
Constraint	Waardebereik: 0-5	Voeg hier de Engelse definitie in

«data»	SNAQrcScoreDateTime	
Definitie	The date and time at which the SNAQrc score was determined.	
Datatype	TS	
DCM::ConceptId	NL-CM:4.29.6	
Opties		

«data»	Comment	
Definitie	A comment on the circumstances during the measurement.	

<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:4.29.7	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>SNAQrcWeightLossScoreCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.1	
<b>Opties</b>		

<b>SNAQrcGewichtsverliesScoreCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.1</b>		
<b>Concept Name</b>	<b>Concept Value</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
LossLow	0	G0	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Geen gewichtsverlies
LossAverage	2	G1	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Meer dan 6 kg in de laatste 6 maanden
LossHigh	2	G2	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Meer dan 3 kg in de laatste maand

<b>«document»</b>	<b>SNAQrcAppetiteScoreCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.2	
<b>Opties</b>		

<b>SNAQrcEetlustScoreCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.2</b>		
<b>Concept Name</b>	<b>Concept Value</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
Eetlust	0	B0	SNAQrc_Eetlust	2.16.840.1.113883.2.4.3.11.60.40.4.19.2	Normale eetlust
GeenEetlust	1	B1	SNAQrc_Eetlust	2.16.840.1.113883.2.4.3.11.60.40.4.19.2	Verminderde eetlust de afgelopen maand

<b>«document»</b>	<b>SNAQrcBMIScoreCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3	
<b>Opties</b>		

<b>SNAQrcBMIScoreCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3</b>		
<b>Concept Name</b>	<b>Concept Value</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
Ondergewicht	2	B2	SNAQrc_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.19.3	Ondergewicht (BMI<20)
TeLicht	1	B1	SNAQrc_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.19.3	Te Licht (20 <=BMI <22)
Gezond	0	B0	SNAQrc_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.19.3	Gezond (22 <=BMI <28)

«document»		SNAQrcAssistedEatingCodelist			
Definitie					
Datatype					
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.29.4			
Opties					
SNAQrcHulpBijEtenCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.4		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Independent feeding	0	165224005	SNOMED CT	2.16.840.1.113883.6.96	Onafhankelijk
Feeding assisted	1	129033007	SNOMED CT	2.16.840.1.113883.6.96	Hulp nodig

## 1.8 Example Instances

SNAQ <sup>RC</sup> score (verpleeghuis)		
Datum	27-01-2013	
Opmerking		
Item	Score	Beschrijving
Gewichtsverlies	2	Meer dan 6 kg in de laatste 6 maanden
BMI	1	BMI tussen 20-22 kg/m <sup>3</sup>
Eetlust	1	Verminderde eetlust
Hulp bij eten	0	Geen hulp bij eten
Totaalscore	Score	Scorekleur
SNAQ <sup>RC</sup> Score	4	Rood

## 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: 16 december 2016]

## 1.16 Functional Model

## 1.17 Traceability to other Standards

## 1.18 Disclaimer

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