Health & Care Information Model:

nl.zorg.SNAQrcScore-v1.3

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Content

1. nl.zorg.SNAQrcScore-v1.3

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DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
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DCM::Version	1.3
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.1 (31-01-2020)
Bevat: ZIB-930.

Publicatieversie 1.2 (10-06-2022)
Bevat: ZIB-1633, ZIB-1635.

Publicatieversie 1.3 (15-04-2024)
Bevat: ZIB-2058.

1.2 Concept

The Short Nutritional Assessment Questionnaire for Residential Care (SNAQrc is a (validated) measuring tool for determining the extent of a patient's malnutrition. The tool comprises four 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.
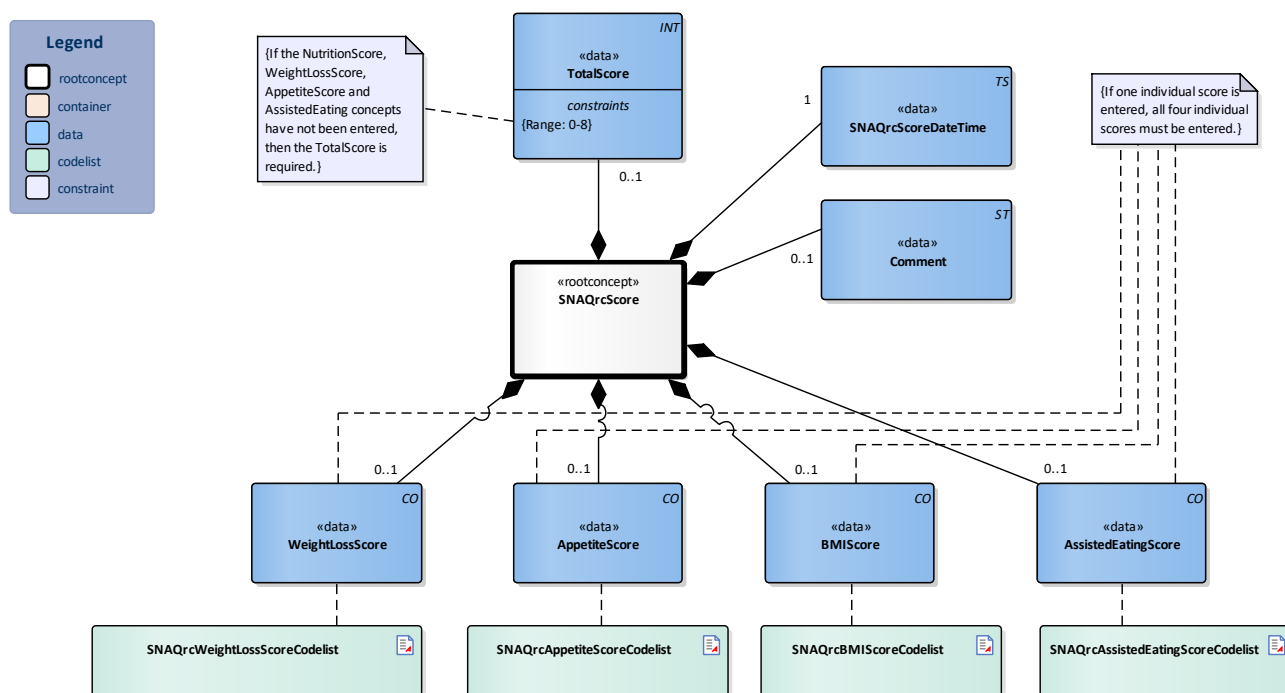
1.5   Patient Population

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 (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»	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	
DCM::DefinitionCode	SNOMED CT: 108311000146106 Short Nutritional Questionnaire for residential care	
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::DefinitionCode	ScoreObservaties: 4029003 SNAQrcScore WeightLossScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
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::DefinitionCode	ScoreObservaties: 4029004 SNAQrcScore AppetiteScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
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::DefinitionCode	ScoreObservaties: 4029005 SNAQrcScore BMIScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQrcBMIScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3
Opties		

«data»	AssistedEatingScore	
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::DefinitionCode	ScoreObservaties: 4029008 SNAQrcScore AssistedEatingScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQrcAssistedEatingScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.4
Opties		

«data»	TotalScore	
Definitie	The total score is the sum of all the individual scores. The total score has a range from 0 - 8. The relation between the value of the total score and the color outcome of the score tool is: 0 = green 1 = orange 2 and higher = red.	
Datatype	INT	
DCM::ConceptId	NL-CM:4.29.2	
DCM::DefinitionCode	SNOMED CT: 108901000146105 Short Nutritional Questionnaire for residential care total score	
Opties		
Constraint	Range: 0-8	

«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.
Datatype	ST
DCM::ConceptId	NL-CM:4.29.7
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment
Opties	

«document»	SNAQrcWeightLossScoreCodelist
Definitie	
Datatype	
DCM::ValueSetBinding	Required
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.1
HCIM::ValueSetLanguage	EN
Opties	

SNAQrcGewichtsverliesScoreCodelijst				OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.1	
Concept Name	Concept Code	Concept Value	Coding Syst. Name	Coding System OID	Description
LossLow	G0	0	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Geen gewichtsverlies
LossAverage	G1	2	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	G2	2	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Meer dan 3 kg in de laatste maand
LossBothAverageAndHigh	G3	4	SNAQrc_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.19.1	Meer dan 3 kg in de laatste maand EN Meer dan 6 kg in de laatste 6 maanden

«document»	SNAQrcAppetiteScoreCodelist
Definitie	
Datatype	
DCM::ValueSetBinding	Required
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.2
HCIM::ValueSetLanguage	NL
Opties	

SNAQrcEetlustScoreCodelijst				OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.2	
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
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

«document»	SNAQrcBMIScoreCodelist				
Definitie					
Datatype					
DCM::ValueSetBinding	Required				
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3				
HCIM::ValueSetLanguage	NL				
Opties					

SNAQrcBMIScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.29.3		
Concept Name	**Concept Value**	**Concept Code**	**CodeSys. Name**	**CodeSystem OID**	**Description**
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»	SNAQrcAssistedEatingScoreCodelist				
Definitie					
Datatype					
DCM::ValueSetBinding	Required				
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.29.4				
HCIM::ValueSetLanguage	NL				
Opties					

SNAQrcHulpBijEtenScoreCodelijst			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

	Legend
Definitie	
Datatype	
Opties	

	Constraint
Definitie	If one individual score is entered, all four individual scores must be entered.
Datatype	
Opties	

	Constraint
Definitie	If the NutritionScore, WeightLossScore, AppetiteScore and AssistedEating

	concepts have not been entered, then the TotalScore is required.
Datatype	
Opties	

1.8 Example Instances

SNAQ^{RC} 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^2
Eetlust	1	Verminderde eetlust
Hulp bij eten	0	Geen hulp bij eten
Totaalscore	**Score**	**Scorekleur**
SNAQ^{RC} 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

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