

Health & Care Information Model:

nl.zorg.SNAQ65+Score-v1.3

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1. nl.zorg.SNAQ65+Score-v1.3

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DCM::Version	1.3
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.1 (06-07-2019)

Bevat: ZIB-718.

Publicatieversie 1.2 (31-01-2020)

Bevat: ZIB-929.

Publicatieversie 1.2.1 (01-12-2021)

Bevat: ZIB-1377.

Publicatieversie 1.3 (10-06-2022)

Bevat: ZIB-1633, ZIB-1635, ZIB-1668.

1.2 Concept

The Short Nutritional Assessment Questionnaire 65+ (SNAQ65+) is a (validated) measuring tool for determining the extent of a patient's malnutrition. The tool comprises a number of 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 (adults and children), nursing and retirement homes and independently living seniors. This concept describes the tool intended for the setting of independently living elderly.

1.3 Mindmap

1.4 Purpose

The SNAQ65+ 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

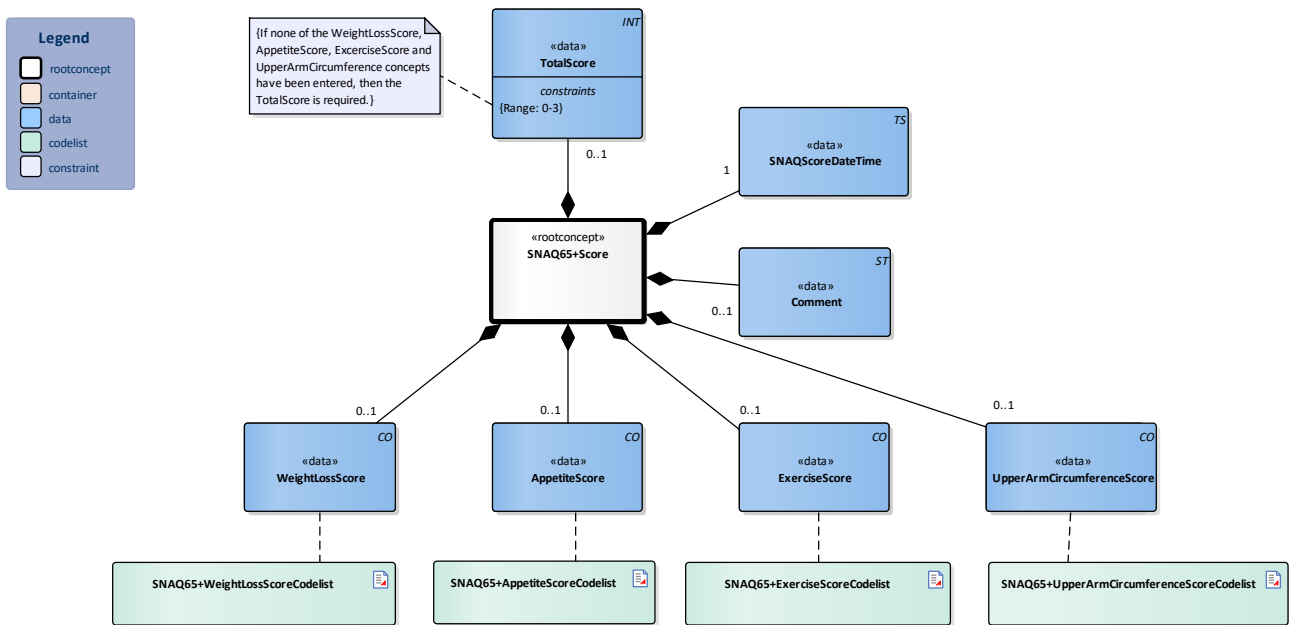
The SNAQ is meant for patients over 65 years of age who are living independently in their own environment

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»	SNAQ65+Score	
Definitie	Root concept of the SNAQ65+Score information model. This root concept contains all data elements of the SNAQ65+Score information model.	
Datatype		
DCM::ConceptId	NL-CM:4.30.1	
DCM::DefinitionCode	SNOMED CT: 108321000146101 Short Nutritional Questionnaire for 65+	
Opties		

«data»	WeightLossScore	
Definitie	The score based on undesired weight loss over the past six months.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.30.3	

DCM::DefinitionCode	ScoreObservaties: 4030003 SNAQ65+Score WeightLossScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQ65+WeightLossScoreCo delist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.1
Opties		

«data»	UpperArmCircumferenceScore	
Definitie	The score based on circumference of the upper arm.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.30.8	
DCM::DefinitionCode	ScoreObservaties: 4030008 SNAQ65+Score UpperArmCircumferenceSco re	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQ65+UpperArmCircumfe renceScoreCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.4
Opties		

«data»	AppetiteScore	
Definitie	The score based on a reduced appetite over the past month.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.30.4	
DCM::DefinitionCode	ScoreObservaties: 4030004 SNAQ65+Score AppetiteScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQ65+AppetiteScoreCode list	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.2
Opties		

«data»	ExerciseScore	
Definitie	The score based on the ability to perform exercise like climbing stairs without rest or walking for five minutes without rest.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.30.5	
DCM::DefinitionCode	ScoreObservaties: 4030005 SNAQ65+Score ExerciseScore	OID: 2.16.840.1.113883.2.4.3.11.60.40.4.0.1
DCM::ValueSet	SNAQ65+ExerciseScoreCodel ist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.3
Opties		

«data»	TotalScore	
Definitie	The total score is the sum of all the individual scores. The total score has a range from 0 - 5. The relation between the value of the total score and the color outcome of the score tool is: 0-1 = green 2 = orange 3 and higher = red.	
Datatype	INT	
DCM::ConceptId	NL-CM:4.30.2	
DCM::DefinitionCode	SNOMED CT: 108891000146109 Short Nutritional Questionnaire for age 65+ total score	
Opties		
Constraint	Range: 0-3	

«data»		SNAQScoreDateTime	
Definitie	The date and time at which the SNAQ65+ score was determined.		
Datatype	TS		
DCM::ConceptId	NL-CM:4.30.6		
Opties			

«data»		Comment	
Definitie	A comment on the circumstances during the measurement.		
Datatype	ST		
DCM::ConceptId	NL-CM:4.30.7		
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment		
Opties			

«document»		SNAQ65+WeightLossScoreCodelist	
Definitie			
Datatype			
DCM::ValueSetBinding	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.30.1		
DCM::ValueSetIncludeOTH	False		
DCM::ValueSetStatus	Active		
HCIM::ValueSetLanguage	EN		
Opties			

SNAQ65+GewichtsverliesScoreCode lijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.1			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
LossLow	0	G0	SNAQ65+_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.18.1	Minder dan 4kg in de laatste 6 maanden
LossHigh	3	G2	SNAQ65+_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.18.1	4kg of meer in de laatste 6 maanden

«document»		SNAQ65+UpperArmCircumferenceScoreCodelist	
Definitie			
Datatype			
DCM::ValueSetBinding	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.30.4		
DCM::ValueSetIncludeOTH	False		
DCM::ValueSetStatus	Active		
HCIM::ValueSetLanguage	NL		
Opties			

SNAQ65+BovenarmOmtrekScoreCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.4			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description

Normaal	0	A0	SNAQ65+_Bov enarmOmtrek	2.16.840.1.113883.2.4.3 .11.60.40.4.18.4	Omtrek >= 25cm
Klein	3	A1	SNAQ65+_Bov enarmOmtrek	2.16.840.1.113883.2.4.3 .11.60.40.4.18.4	Omtrek < 25cm

«document»		SNAQ65+AppetiteScoreCodelist			
Definitie					
Datatype					
DCM::ValueSetBinding		Required			
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.6 0.40.2.4.30.2			
DCM::ValueSetInclude OTH		False			
DCM::ValueSetStatus		Active			
HCIM::ValueSetLangu age		NL			
Opties					
SNAQ65+EetlustScoreCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.2			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Eetlust	0	B0	SNAQ65+_Eet lust	2.16.840.1.113883.2. 4.3.11.60.40.4.18.2	Normale eetlust
GeenEetlust	1	B1	SNAQ65+_Eet lust	2.16.840.1.113883.2. 4.3.11.60.40.4.18.2	Verminderde eetlust de afgelopen week

«document»		SNAQ65+ExerciseScoreCodelist			
Definitie					
Datatype					
DCM::ValueSetBinding		Required			
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.6 0.40.2.4.30.3			
DCM::ValueSetInclude OTH		False			
DCM::ValueSetStatus		Active			
HCIM::ValueSetLangu age		NL			
Opties					
SNAQ65+InspanningsScoreCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.3			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
Mogelijk	0	In0	SNAQ65+_Inspa nning	2.16.840.1.113883 .2.4.3.11.60.40.4.1 8.3	In staat tot fysieke inspanning
NietMogelijk	1	In1	SNAQ65+_Inspa nning	2.16.840.1.113883 .2.4.3.11.60.40.4.1 8.3	Niet in staat tot fysieke inspanning

Definitie	
Datatype	
Opties	

Constraint	
Definitie	If none of the WeightLossScore, AppetiteScore, ExcerciseScore and UpperArmCircumference concepts have been entered, then the TotalScore is required.
Datatype	
Opties	

1.8 Example Instances

SNAQ ⁶⁵⁺ score (eerstelijnszorg en thuiszorg)		
Datum	27-01-2016	
Opmerking		
Item	Score	Beschrijving
Gewichtsverlies	3	4 kg of meer in de laatste 6 maanden
Eetlust	0	Normale eetlust
Inspanning	0	Geen verminderde functionaliteit
Bovenarmomtrek	3	Minder dan 25 cm
Totaalscore	Score	Scorekleur
SNAQ ⁶⁵⁺ Score	6	Rood

1.9 Instructions

If the individual scores are used, they must be filled in accordance with the decision tree of the score.

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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