

# Health & Care Information Model:

nl.zorg.SNAQ65+Score-v1.3

Status: Final

Release: 2024

Release status: Prepublished

Managed by:



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

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	2.16.840.1.113883.2.4.3.11.60.40.3.4.30
DCM::KeywordList	Ondervoeding, ondervoedingsscore, SNAQ, SNAQ65+, malnutrition
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.SNAQ65+Score
DCM::PublicationDate	15-04-2024
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	27-05-2022
DCM::Supersedes	nl.zorg.SNAQ65+Score-v1.2.1
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

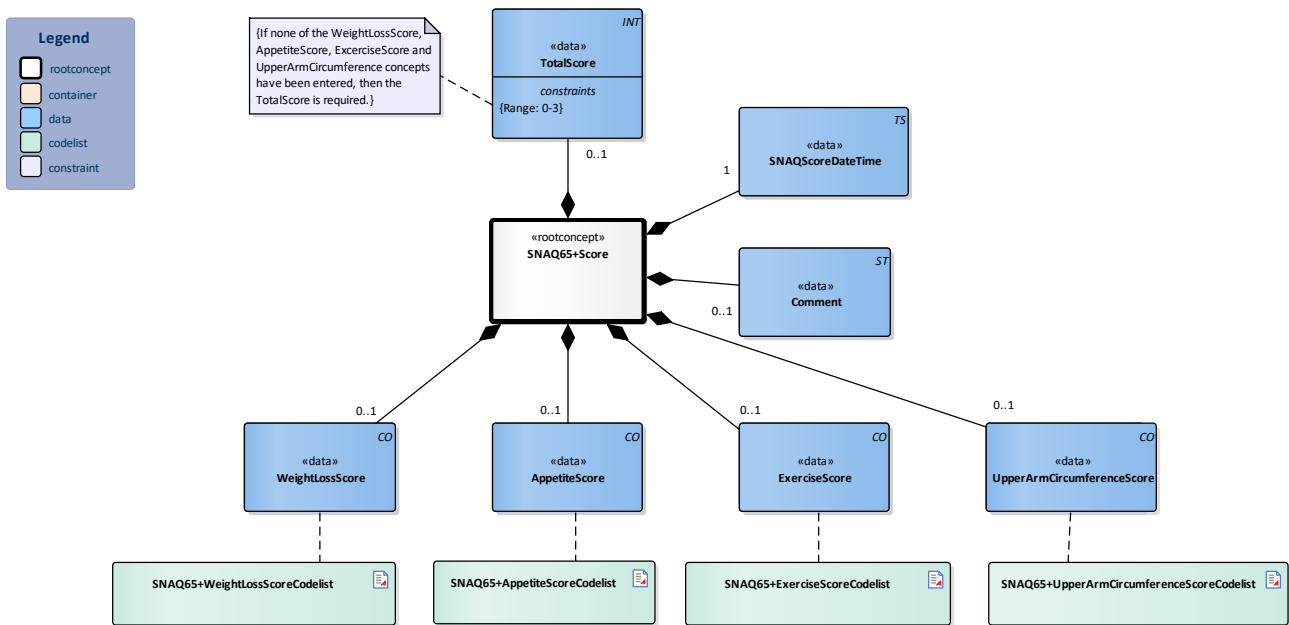
The SNAQ is meant for patients over 65 years of age who are living independently in their own environment

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

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

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

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

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

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

<b>«data»</b>	<b>TotalScore</b>	
<b>Definitie</b>	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.	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:4.30.2	
<b>DCM::DefinitionCode</b>	SNOMED CT: 108891000146109 Short Nutritional Questionnaire for age 65+ total score	
<b>Opties</b>		
<b>Constraint</b>	Range: 0-3	

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

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

<b>«document»</b>	<b>SNAQ65+WeightLossScoreCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.30.1	
<b>HCIM::ValueSetLanguage</b>	EN	
<b>Opties</b>		

<b>SNAQ65+GewichtsverliesScoreCodelist</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.1</b>			
<b>ijst</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	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

<b>«document»</b>	<b>SNAQ65+UpperArmCircumferenceScoreCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.30.4	
<b>HCIM::ValueSetLanguage</b>	NL	
<b>Opties</b>		

<b>SNAQ65+BovenarmOmtrekScoreCodelist</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.30.4</b>			
<b>odelijst</b>					
<b>Concept Name</b>	<b>Concept Value</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
Normaal	0	A0	SNAQ65+_BovenarmOmtrek	2.16.840.1.113883.2.4.3.11.60.40.4.18.4	Omtrek >= 25cm
Klein	3	A1	SNAQ65+_BovenarmOmtrek	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			
HCIM::ValueSetLanguage		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+_Eetlust	2.16.840.1.113883.2.4.3.11.60.40.4.18.2	Normale eetlust
GeenEetlust	1	B1	SNAQ65+_Eetlust	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			
HCIM::ValueSetLanguage		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+_Inspanning	2.16.840.1.113883.2.4.3.11.60.40.4.18.3	In staat tot fysieke inspanning
NietMogelijk	1	In1	SNAQ65+_Inspanning	2.16.840.1.113883.2.4.3.11.60.40.4.18.3	Niet in staat tot fysieke inspanning

Legend	
Definitie	
Datatype	
Opties	

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

## 1.8 Example Instances

SNAQ <sup>65+</sup> 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 <sup>65+</sup> 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

## 1.18 Disclaimer

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