

Health & Care Information Model:

nl.zorg.SNAQ65+Score-v1.3

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

| | |
|---|----------|
| 1. nl.zorg.SNAQ65+Score-v1.3 | 3 |
| 1.1 Revision History..... | 3 |
| 1.2 Concept | 3 |
| 1.3 Mindmap | 3 |
| 1.4 Purpose..... | 4 |
| 1.5 Patient Population | 4 |
| 1.6 Evidence Base | 4 |
| 1.7 Information Model | 4 |
| 1.8 Example Instances..... | 8 |
| 1.9 Instructions..... | 8 |
| 1.10 Interpretation | 8 |
| 1.11 Care Process | 8 |
| 1.12 Example of the Instrument | 8 |
| 1.13 Constraints..... | 8 |
| 1.14 Issues | 8 |
| 1.15 References | 8 |
| 1.16 Functional Model | 8 |
| 1.17 Traceability to other Standards..... | 9 |
| 1.18 Disclaimer | 9 |
| 1.19 Terms of Use | 9 |
| 1.20 Copyrights..... | 9 |

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 | 24-04-2024 |
| DCM::PublicationStatus | Published |
| 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

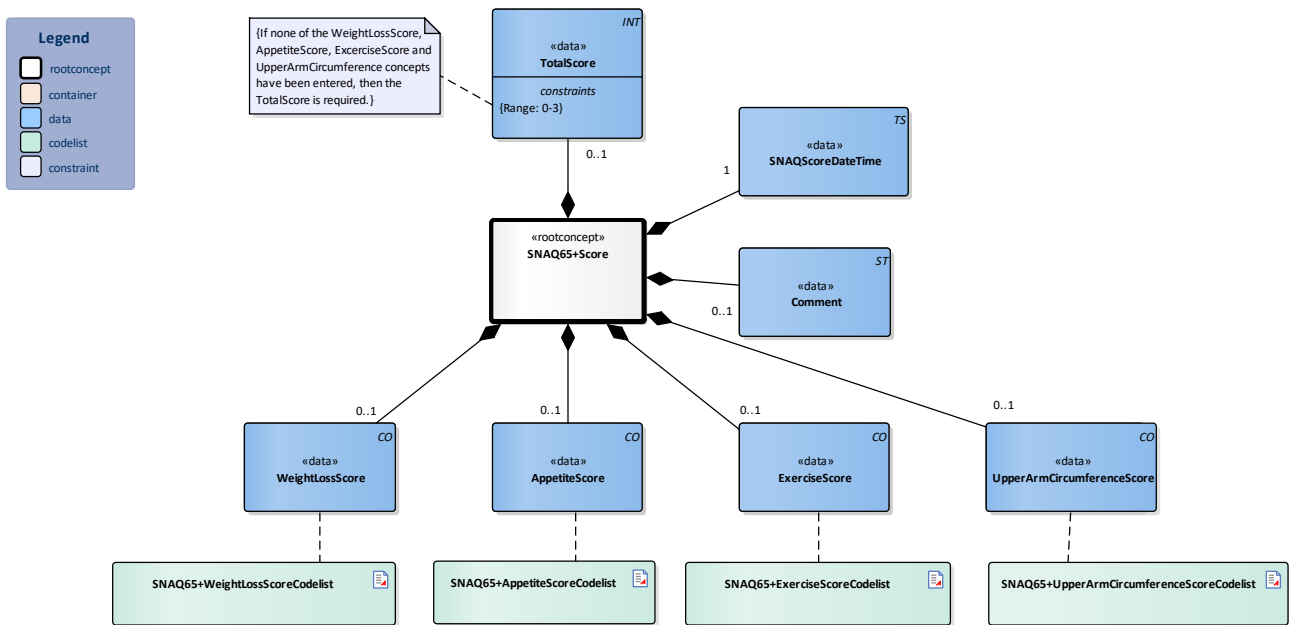
The SNAQ is meant for patients over 65 years of age who are living independently in their own environment

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 | |
|----------------------------|---|--|
| 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+GewichtsverliesScoreCodelijst | | 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

1.18 Disclaimer

The Health and Care Information Models (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating parties are not liable for any damages resulting from omissions or inaccuracies in the information provided, nor are they liable for damages resulting from problems caused by or inherent to distributing information on the internet, such as malfunctions, interruptions, errors or delays in information or services provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating parties will also not accept liability for any damages resulting from the use of data, advice or ideas provided by or on behalf of the parties by means of the Health and Care Information Models. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model documents and files, the most recent and highest version of the listed order in the revisions will indicate the priority of the documents in question. If information included in the digital version of a Health and Care Information Model is also distributed in writing, the written version will be leading in case of textual differences. This will apply if both have the same version number and date. A definitive version has priority over a draft version. A revised version has priority over previous versions.

1.19 Terms of Use

The user may use the Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

1.20 Copyrights

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NC-SA-3.0).

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (see also <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl

