

Health & Care Information Model:

nl.zorg.SNAQrcScore-v1.3

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

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|---|----------|
| 1. nl.zorg.SNAQrcScore-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 | 9 |
| 1.17 Traceability to other Standards..... | 9 |
| 1.18 Disclaimer | 9 |
| 1.19 Terms of Use | 9 |
| 1.20 Copyrights..... | 9 |

1. nl.zorg.SNAQrcScore-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 | 2.16.840.1.113883.2.4.3.11.60.40.3.4.29 |
| DCM::KeywordList | Ondervoeding, ondervoedingsscore, SNAQ, SNAQrc, malnutrition |
| DCM::LifecycleStatus | Final |
| DCM::ModelerList | Werkgroep RadB Verpleegkundige Gegevens |
| DCM::Name | nl.zorg.SNAQrcScore |
| DCM::PublicationDate | 25-04-2025 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate | 09-04-2024 |
| DCM::Supersedes | nl.zorg.SNAQrcScore-v1.2 |
| 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

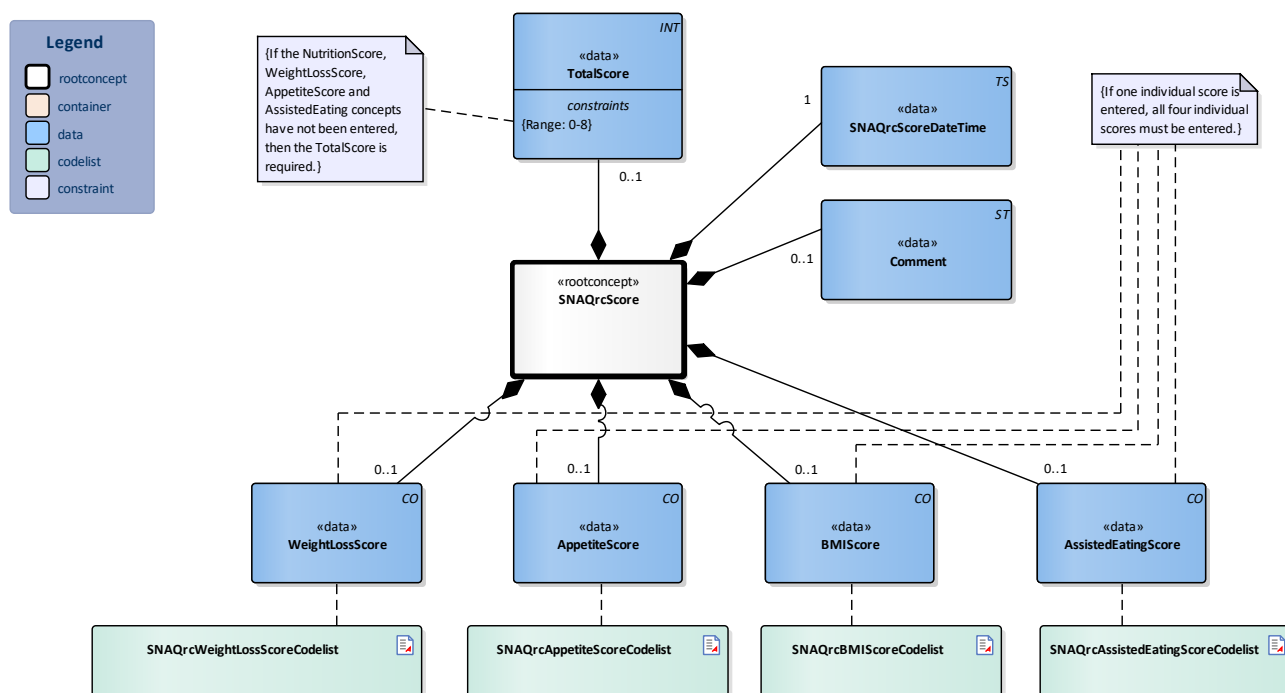
The SNAQrc is meant for patients over 18 years of age who are staying in nursing and retirement homes.

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 | SNAQrcWeightLossScoreCod elist | 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 | SNAQrcAppetiteScoreCodelis t | 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 | SNAQrcAssistedEatingScoreC odelist | 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 | 2.16.840.1.113883.2.4.3.11.6 0.40.2.4.29.1 | | |
| DCM::ValueSetInclude OTH | False | | |
| DCM::ValueSetStatus | Active | | |
| 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 | 2.16.840.1.113883.2.4.3.11.6 0.40.2.4.29.2 | | | | |
| DCM::ValueSetInclude OTH | False | | | | |
| DCM::ValueSetStatus | Active | | | | |
| 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 | | | |
| DCM::ValueSetIncludeOTH | | False | | | |
| DCM::ValueSetStatus | | Active | | | |
| HCIM::ValueSetLanguage | | NL | | | |
| Opties | | | | | |
| SNAQrcBMIScoreCodelistijst | | | 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 | | | |
| DCM::ValueSetIncludeOTH | | False | | | |
| DCM::ValueSetStatus | | Active | | | |
| HCIM::ValueSetLanguage | | NL | | | |
| Opties | | | | | |
| SNAQrcHulpBijEtenScoreCodelistijst | | | 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

1.18 Disclaimer

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