

Health & Care Information Model: nl.zorg.MUSTScore

Final

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Content

1.	nl.zorg.MUSTScore-v3.0	4
1.1	Revision History.....	4
1.2	Concept	4
1.3	Mindmap.....	4
1.4	Purpose	5
1.5	Patient Population	5
1.6	Evidence Base.....	5
1.7	Information Model	5
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	9
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	10

1. nl.zorg.MUSTScore-v3.0

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	12-2-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.5
DCM::KeywordList	Ondervoeding, ondervoedingsscore, MUST, malnutrition
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.MUSTScore
DCM::PublicationDate	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	8-9-2015
DCM::Superseeds	nl.nfu.MUSTScore-v1.0
DCM::Version	3.0

1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

1.2 Concept

The Malnutrition Universal Screening Tool (MUST) is a (validated) diagnostic screening tool for determining the extent of a patient's malnutrition.

For this screening tool, every patient's Body Mass Index (BMI) and weight loss percentage is calculated, after which the patient is assigned a disease factor. The MUST helps to recognize and treat malnutrition at an early stage.

(Source: Guidelines for Screening and Treating Malnutrition.)

1.3 Mindmap

1.4 Purpose

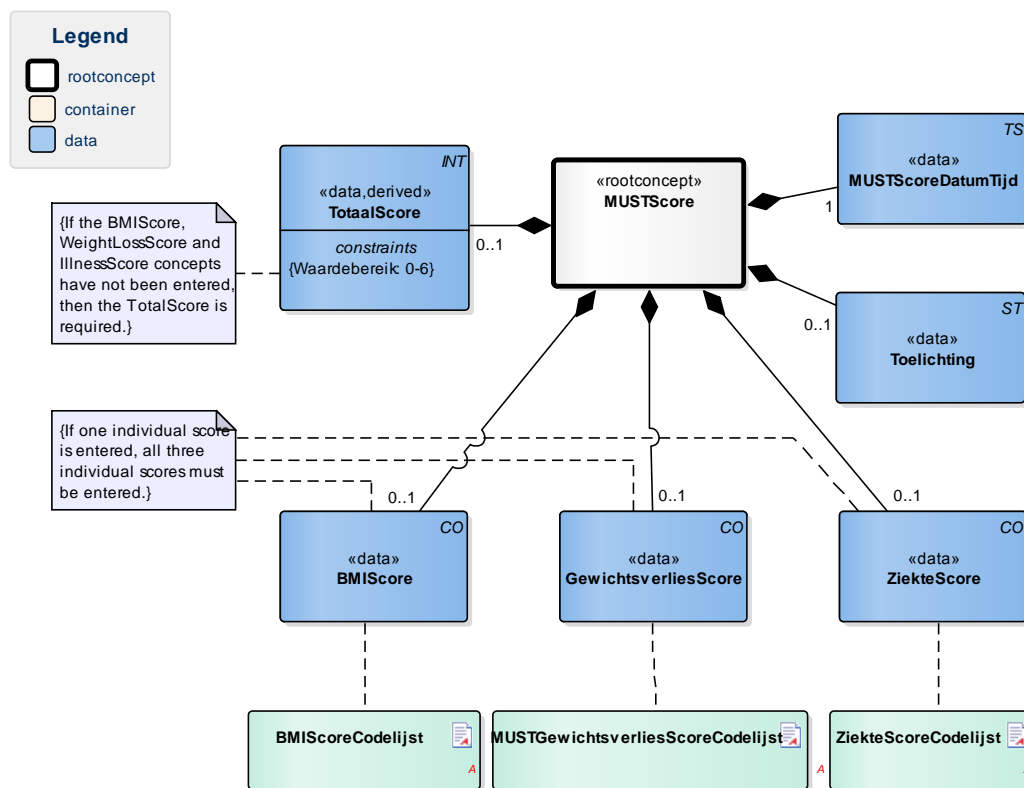
The MUST score is used to determine the extent of malnutrition or the risk of malnutrition. To treat malnutrition quickly and effectively, it is important to identify the malnutrition at an early stage.

1.5 Patient Population

The MUST is used for patients aged 18 and older.
For children, the STRONGkids tool is used.

1.6 Evidence Base

1.7 Information Model



«rootconcept»	MUSTScore
Definitie	Root concept of the MUSTScore information model. This root concept contains all data elements of the MUSTScore information model.
Datatype	

DCM::DefinitionCode	SNOMED CT: 444297006 MUST (Malnutrition universal screening tool) score	
DCM::DefinitionCode	NL-CM:4.5.1	
Opties		

«data»	BMI Score	
Definitie	A person's Body Mass Index (BMI), also known as their Quetelet index (QI), is an index indicating the ratio between a person's height and weight. This BMI is expressed in kg/m ² .	
Datatype	CO	
DCM::DefinitionCode	NL-CM:4.5.3	
DCM::ValueSet	BMI Score Codelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.1
Opties		

«data»	Gewichtsverlies Score	
Definitie	The percentage of undesired weight loss over the past 3-6 months.	
Datatype	CO	
DCM::DefinitionCode	NL-CM:4.5.4	
DCM::ValueSet	MUST Gewichtsverlies Score Codelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.2
Opties		

«data»	Ziekte Score	
Definitie	Illness can result in reduced food intake, leading to a higher risk of malnutrition. The IllnessScore concept is used to indicate that the patient is seriously ill and that the patient has not eaten for more than 5 days or that there is a chance that the patient has not eaten for more than 5 days.	
Datatype	CO	
DCM::DefinitionCode	NL-CM:4.5.5	
DCM::ValueSet	Ziekte Score Codelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.3
Opties		

«data»	Totaal Score	
Definitie	The total score is the sum of all the individual scores. The total score has a range from 0 - 6.	
Datatype	INT	
DCM::DefinitionCode	NL-CM:4.5.2	
Opties		
Constraint	Waardebereik: 0-6	Voeg hier de Engelse definitie in

«data»	MUSTScoreDatumTijd	
Definitie	The date and time at which the MUST score was determined.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:4.5.6	
Opties		

«data»	Toelichting	
Definitie	An explanation of the circumstances during the measurement.	
Datatype	ST	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::DefinitionCode	NL-CM:4.5.7	
Opties		

«document»	BMIScoreCodelijst	
Definitie		
Datatype		
Opties		

BMIScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.1		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
BMIHigh	0	B0	MUST_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.4.1	BMI >20 kg/m ²
BMAverage	1	B1	MUST_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.4.1	BMI tussen 18,5-20 kg/m ²
BMILow	2	B2	MUST_BMI	2.16.840.1.113883.2.4.3.11.60.40.4.4.1	BMI < 18,5 kg/m ²

«document»	MUSTGewichtsverliesScoreCodelijst	
Definitie		
Datatype		
Opties		

MUSTGewichtsverliesScoreCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.2		
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
LossLow	0	G0	MUST_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.4.2	Gewichtsverlies <5%
LossAverage	1	G1	MUST_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.4.2	Gewichtsverlies = 5-10%
LossHigh	2	G2	MUST_Gewichtsverlies	2.16.840.1.113883.2.4.3.11.60.40.4.4.2	Gewichtsverlies >10%

«document»		ZiekteScoreCodelijst			
Definitie					
Datatype					
Opties					
ZiekteScoreCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.3			
Concept Name	Concept Value	Concept Code	CodeSys. Name	CodeSystem OID	Description
NotAcutelyIll	0	Z0	MUST_Ziekte	2.16.840.1.113883.2.4.3.11.60.40.4.4.3	Niet ziek
AcutelyIll	2	Z1	MUST_Ziekte	2.16.840.1.113883.2.4.3.11.60.40.4.4.3	Ziek

1.8 Example Instances

MUSTScore	
MUSTScoreDatumTijd	27-01-2013
BMIScore	2 (BMI<18,5 kg/m ²)
GewichtsverliesScore	1 (Gewichtsverlies 5-10%)
ZiekteScore	0 (Niet ziek)
TotaalScore	3
Toelichting	-

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: 13 februari 2015]
2. Bapen [Online] Beschikbaar op: <http://www.bapen.co.uk> [Geraadpleegd: 13 februari 2015]
3. Richtlijn Behandeling en screening ondervoeding. [Online] Beschikbaar op: http://stuurgroepondervoeding.nl/wp-content/uploads/2015/02/Richtlijn_screenen_en_behandeling_van_ondervoeding_juni_2011.pdf [Geraadpleegd: 13 februari 2015]

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

This Health and Care Information Model (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 this Health and Care Information Model. 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 this 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.

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