

Health&Care Information Model: nl.zorg.MUSTScore

Final

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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

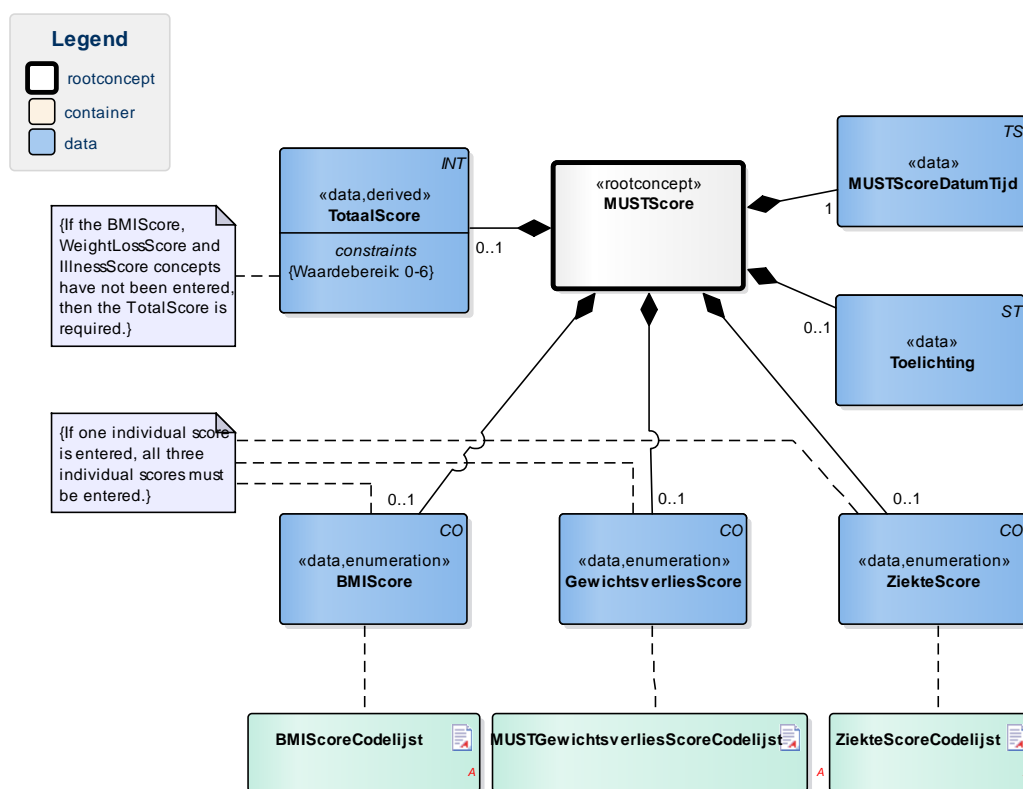
The MUST score is used to determine the extent of malnutrition or the risk of malnutrition. To treat malnutrition quickly and effectively, it is important to identify the malnutrition at an early stage.

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	
Alias	EN: MUSTScore	
Definition	Root concept of the MUSTScore building block. This root concept contains all data elements of the MUSTScore building block.	
Datatype		
DCM::DefinitionCode	SNOMED CT: 444297006 MUST (Malnutrition universal screening tool) score	
DCM::DefinitionCode	NL-CM:4.5.1	
Options		

«data»	BMIScore	
Alias	EN: BMIScore	
Definition	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	BMIScoreCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.1
Options		

«data»	GewichtsverliesScore	
Alias	EN: WeightLossScore	
Definition	The percentage of undesired weight loss over the past 3-6 months.	
Datatype	CO	
DCM::DefinitionCode	NL-CM:4.5.4	
DCM::ValueSet	MUSTGewichtsverliesScoreCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.2
Options		

«data»	ZiekteScore	
Alias	EN: IllnessScore	
Definition	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	ZiekteScoreCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.5.3
Options		

«data»	TotaalScore	
Alias	EN: TotalScore	
Definition	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	
Options		
Constraint	Waardebereik: 0-6	Voeg hier de Engelse definitie in

«data»	MUSTScoreDatumTijd	
Alias	EN: MUSTScoreDateTime	
Definition	The date and time at which the MUST score was determined.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:4.5.6	
Options		

«data»		Toelichting	
Alias	EN: Explanation		
Definition	An explanation of the circumstances during the measurement.		
Datatype	ST		
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment		
DCM::DefinitionCode	NL-CM:4.5.7		
Options			

«document»		BMIScoreCodelijst	
Alias			
Definition			
Datatype			
Options			

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
BMIAverage	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	
Alias			
Definition			
Datatype			
Options			

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	
Alias			
Definition			
Datatype			
Options			

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

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

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