

Health & Care Information Model: nl.zorg.Darmfunctie

Final

Managed by:

Better health
through better IT

Nictiz 



Content

1.	nl.zorg.Darmfunctie-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	9
1.10	Interpretation	9
1.11	Care Process.....	9
1.12	Example of the Instrument.....	9
1.13	Constraints	9
1.14	Issues	10
1.15	References	10
1.16	Functional Model	10
1.17	Traceability to other Standards.....	10
1.18	Disclaimer	10
1.19	Terms of Use	11
1.20	Copyrights	11

1. nl.zorg.Darmfunctie-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	1-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	NFU & V&VN
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.15
DCM::KeywordList	Defecatie, continentie
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.Darmfunctie
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	
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

! Attention: this information model is undergoing major revision. A new version will be available after summer.

An important function of the rectum in particular is the temporary storage and excretion of feces, at the moment there is cause to do so. Disrupting the bowel functions can lead to fecal incontinence and constipation.

1.3 Mindmap

1.4 Purpose

Information on bowel function disorders is important in drawing up the nursing plan and for patient care. Furthermore, information on feces (shape and color) offers additional information on the patient’s health condition.

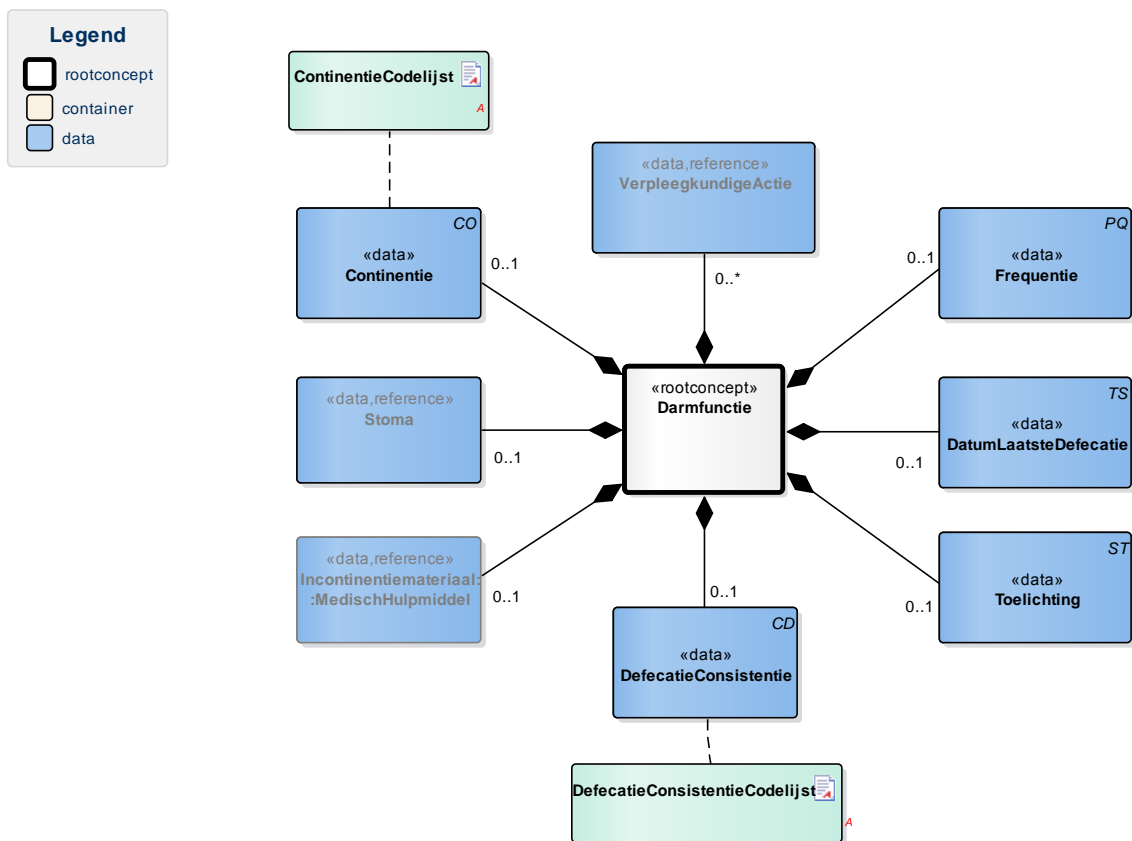
In a transfer situation, it offers the ability to anticipate the arrival of the patient and to achieve continuity in healthcare for the patient. This way, material or expertise can be coordinated beforehand, for example.

1.5 Patient Population

1.6 Evidence Base

The definitions of the concepts were (partially) taken from the ICF definitions.

1.7 Information Model



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

Datatype		
DCM::DefinitionCode	NL-CM:4.15.1	
DCM::DefinitionCode	SNOMED CT: 11198001 Defecation	
Opties		

«data»	Continentie	
Definitie	Continence is the voluntary control over the excretion of feces.	
Datatype	CO	
DCM::DefinitionCode	NL-CM:4.15.2	
DCM::DefinitionCode	ICF: b5253 Fecale continentie	
DCM::ExampleValue	Lichte stoornis	
DCM::ValueSet	ContinentieCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1
Opties		

«data»	Stoma	
Definitie	Stoma describes the presence of an unnatural, surgically created opening. If the patient has a stoma, the type of stoma must be entered along with the date on and location at which the stoma and any stoma pouches were placed. An explanation can also be entered.	
Datatype		
DCM::DefinitionCode	NL-CM:4.15.3	
DCM::ExampleValue	Dubbelloops colostoma	
DCM::ReferencedDefinitionCode	NL-CM:5.2.1	This is a reference to concept Stoma in information model Stoma.
Opties		

«data»	Frequentie	
Definitie	The defecation frequency.	
Datatype	PQ	
DCM::DefinitionCode	SNOMED CT: 162098000 Frequency of defecation	
DCM::DefinitionCode	NL-CM:4.15.4	
DCM::ExampleValue	1 maal per uur	
Opties		

«data»	DefecatieConsistentie	
Definitie	The consistency of the feces indicates the hardness of the stool. The Bristol Stool scale is used to determine this.	
Datatype	CD	
DCM::DefinitionCode	NL-CM:4.15.9	
DCM::DefinitionCode	SNOMED CT: 443172007 Bristol stool form score	

DCM::ExampleValue	Type 4	
DCM::ValueSet	DefecatieConsistentieCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2
Opties		

«data»	DatumLaatsteDefecatie	
Definitie	Date of the last defecation.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:4.15.5	
Opties		

«data»	Incontinentiemateriaal::MedischHulpmiddel	
Definitie	A description of the incontinence material used.	
Datatype		
DCM::DefinitionCode	SNOMED CT: 337588003 Incontinence appliance	
DCM::DefinitionCode	NL-CM:4.15.6	
DCM::ExampleValue	Elastisch broekje	
DCM::ReferencedDefinitionCode	NL-CM:10.1.1	This is a reference to concept MedischHulpmiddel in information model MedischHulpmiddel.
Opties		

«data»	VerpleegkundigeActie	
Definitie	Description of the help needed to defecate.	
Datatype		
DCM::DefinitionCode	NL-CM:4.15.8	
DCM::ExampleValue	Ondersteuning bij verwisselen incontinentiemateriaal.	
DCM::ReferencedDefinitionCode	NL-CM:14.2.9	This is a reference to concept VerpleegkundigeActie in information model VerpleegkundigeInterventie.
Opties		

«data»	Toelichting	
Definitie	An explanation of the BowelFunction.	
Datatype	ST	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::DefinitionCode	NL-CM:4.15.7	
Opties		

«document»	DefecatieConsistentieCodelijst	
Definitie		

Datatype				
Opties				
DefecatieConsistentieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Separate hard lumps, like nuts.	Type 1	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Losse harde keutels, zoals noten
Sausage-shaped but lumpy.	Type 2	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Als een worst, maar klonterig
Like sausage but with cracks on its surface.	Type 3	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Als een worst, maar met barstjes aan de buitenkant
Like sausage or snake, smooth and soft.	Type 4	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Als een worst of slang, glad en zacht
Soft blobs with clear-cut edges	Type 5	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Zachte keutels met duidelijke randen
Fluffy pieces with ragged edges	Type 6	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Zachte stukjes met gehavende randen
Entirely liquid	Type 7	BristolStoolTypes	2.16.840.1.113883.2.4.3.1 1.60.40.4.3.1	Helemaal vloeibaar

«document»		ContinentieCodelijst		
Definitie				
Datatype				
Opties				
ContinentieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Geen stoornis	b5253.0	ICF	2.16.840.1.113883.6.254	Stoornis 0-4%
Lichte stoornis	b5253.1	ICF	2.16.840.1.113883.6.254	Stoornis 5-24%
Matige stoornis	b5253.2	ICF	2.16.840.1.113883.6.254	Stoornis 25-49%
Ernstige stoornis	b5253.3	ICF	2.16.840.1.113883.6.254	Stoornis 50-95%
Volledige stoornis	b5253.4	ICF	2.16.840.1.113883.6.254	Stoornis 96-100%

1.8 Example Instances

Darmfunctie (stoma)	
Algemeen	
Continentie	-
Frequentie	3 maal per dag
DatumLaatsteDefecatie	Vanmorgen
Incontinentiemateriaal	-
DefecatieConsistentie	Als een worst of slang, glad en zacht.
Stoma	
StomaType	Dubbelloops colostoma
AanlegDatum	31-02-2014
AnatomischeLocatie	Bovenbuik links
Toelichting	Stoma is definitief. Vandaag stoma verzorgd, samen met patiënt. Peristomale huid is licht geïrriteerd.
VerpleegkundigeActie	
Activiteit	Ondersteuning bij stomaverzorging door partner.

Darmfunctie (continentie stoornis)	
Algemeen	
Continentie	Matige stoornis
Frequentie	4 maal per dag
DatumLaatsteDefecatie	Vanmorgen
Incontinentiemateriaal	Elastisch broekje
DefecatieConsistentie	Zachte stukjes met gehavende randen.
VerpleegkundigeActie	
Activiteit	Patiënt stimuleren regelmatig naar het toilet te gaan.
Toelichting	Patiënt was vanmorgen incontinent.

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. International Classification of Functioning Disability and Health (ICF) [Online] Beschikbaar op: <http://www.rivm.nl/who-fic/icf.htm> [Geraadpleegd: 13 februari 2015]
2. Richtlijn stomazorg V&VN. [Online] Beschikbaar op: <http://venvn.xcess-5.xec.nl/Portals/1/Nieuws/2013%20Documenten/20130527%20%20Richtlijn%20Stomazorg.pdf> [Geraadpleegd: 13 februari 2015]
3. LEWIS, SJ. HEATON, KW. (1997) Stool form scale as a useful guide to intestinal transit time. *Scand. J. Gastroenterol.* 32 (9). p.920–924.

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.

1.19 Terms of Use

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

1.20 Copyrights

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/>)