

# Health & Care Information Model:

nl.zorg.BowelFunction-v3.1.1

Status: Final

Release: 2020

Release status: Published

Managed by:



# Content

<b>1. nl.zorg.BowelFunction-v3.1.1</b>	<b>3</b>
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	7
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.BowelFunction-v3.1.1

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	01-09-2020
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Supersedes	nl.zorg.Darmfunctie-v3.1
DCM::Version	3.1.1
HCIM::PublicationLanguage	EN
MAX::SchematronFile	C:\Eclipse Workspace\NieuwEPD\9.01 Schematron\901 Validation Rules.sch

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-530, ZIB-531, ZIB-544.

Publicatieversie 3.1.1 (01-10-2018)

Bevat: ZIB-732.

## 1.2 Concept

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.

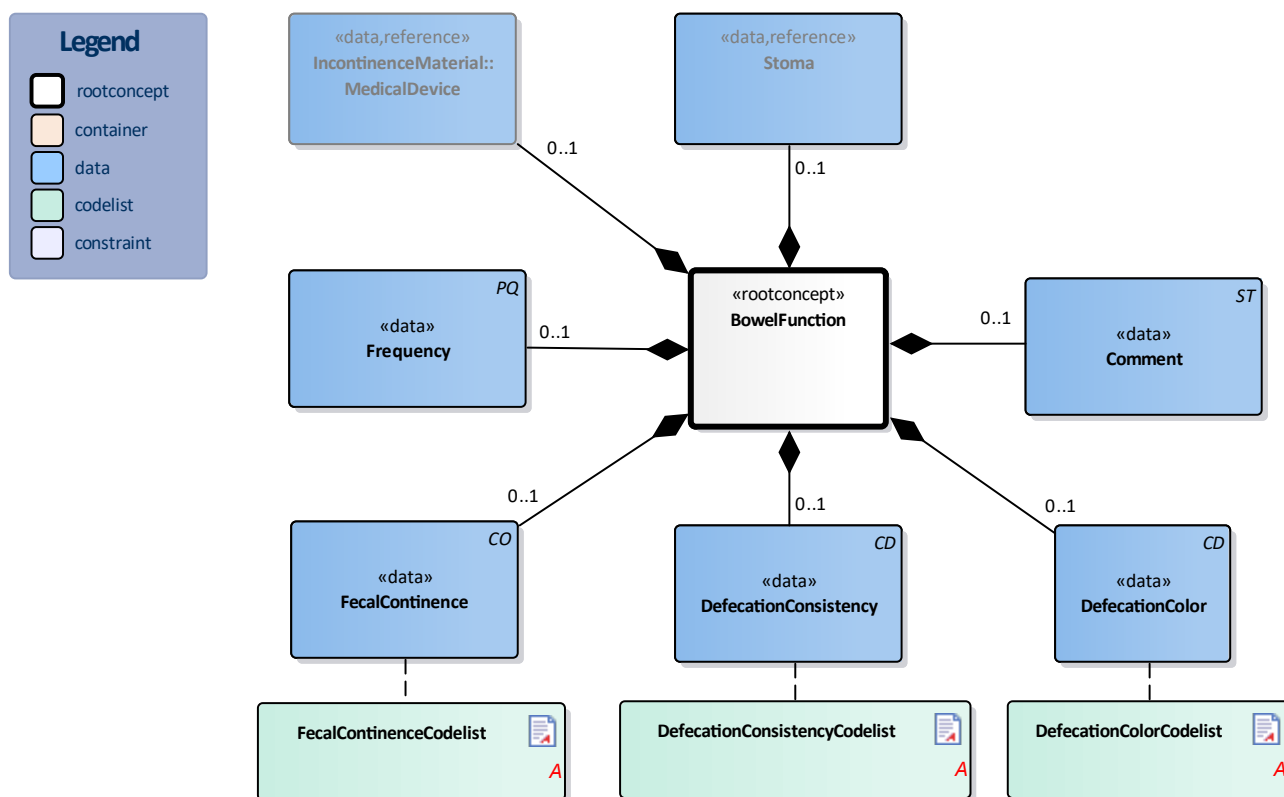
In a transfer situation, it offers the ability to anticipate the arrival of the patient and to achieve continuity in healthcare for the patient. This way, material or expertise can be coordinated beforehand, for example.

## 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»	BowelFunction	
Definitie	Root concept of the BowelFunction information model. This root concept contains all data elements of the BowelFunction information model.	
Datatype		
DCM::ConceptId	NL-CM:4.15.1	
DCM::DefinitionCode	SNOMED CT: 111989001 Defecation	
Opties		

«data»	FecalContinece	
Definitie	Fecal continence is the voluntary control over the excretion of feces.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.15.2	
DCM::DefinitionCode	SNOMED CT:129008009 Bowel control	
DCM::ValueSet	FecalContineceCodelist	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 comment can also be entered.	
Datatype		
DCM::ConceptId	NL-CM:4.15.3	
DCM::ExampleValue	Dubbelloops colostoma	
DCM::ReferencedConceptId	NL-CM:5.2.1	This is a reference to the rootconcept of information model Stoma.
Opties		

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

«data»	DefecationConsistency	
Definitie	The consistency of the feces indicates the hardness of the stool. The Bristol Stool scale is used to determine this.	
Datatype	CD	
DCM::ConceptId	NL-CM:4.15.9	
DCM::DefinitionCode	SNOMED CT: 443172007 Bristol stool form score	
DCM::ExampleValue	Type 4	
DCM::ValueSet	DefecationConsistencyCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2
Opties		

«data»	DefecationColor	
Definitie	The color of feces is possibly relevant for identifying underlying diseases, such as bleeding or biliary tract disease.	
Datatype	CD	
DCM::ConceptId	NL-CM:4.15.10	
DCM::DefinitionCode	LOINC: 9397-1 Color of stool	
DCM::ExampleValue	Zwart	
DCM::ValueSet	DefecationColorCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.5
Opties		

«data»	IncontinenceMaterial::MedicalDevice	
Definitie	A description of the incontinence material used.	
Datatype		
DCM::ConceptId	NL-CM:4.15.6	
DCM::DefinitionCode	SNOMED CT: 337588003 Incontinence appliance	
DCM::ExampleValue	Elastisch broekje	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicalDevice.

Opties	
--------	--

«data»	Comment	
Definitie	A comment on the BowelFunction.	
Datatype	ST	
DCM::ConceptId	NL-CM:4.15.7	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	DefecationConsistencyCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2	
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	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Losse harde keutels, zoals noten
Sausage-shaped but lumpy.	Type 2	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Als een worst, maar klonterig
Like sausage but with cracks on its surface.	Type 3	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Als een worst, maar met barstjes aan de buitenkant
Like sausage or snake, smooth and soft.	Type 4	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Als een worst of slang, glad en zacht
Soft blobs with clear-cut edges	Type 5	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Zachte keutels met duidelijke randen
Fluffy pieces with ragged edges	Type 6	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Zachte stukjes met gehavende randen
Entirely liquid	Type 7	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.60.40.4.3.1	Helemaal vloeibaar

«document»	DefecationColorCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.15.5	
Opties		

DefecatieKleurCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.5		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Feces color: normal	167605001	SNOMED CT	2.16.840.1.113883.6.96	Normaal
Feces color: green	167609007	SNOMED CT	2.16.840.1.113883.6.96	Groen
Feces color: yellow	167607009	SNOMED CT	2.16.840.1.113883.6.96	Geel
Black feces	267055007	SNOMED CT	2.16.840.1.113883.6.96	Zwart
Pale feces	267056008	SNOMED CT	2.16.840.1.113883.6.96	Grijswit
Red stools	64412006	SNOMED CT	2.16.840.1.113883.6.96	Rood

«document»		FecalContinenceCodelist			
Definitie					
Datatype					
DCM::ValueSetBinding		Required			
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1			
Opties					
FecesContinentieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1			
Concept Name	Concept Code	Concept Value	CodeSys. Name	CodeSystem OID	Description
Bowels: incontinent	72042002	0	SNOMED CT	2.16.840.1.113883.6.96	Incontinent
Bowels: occasional accident	165230005	1	SNOMED CT	2.16.840.1.113883.6.96	Af en toe een ongelukje
Bowels: fully continent	24029004	2	SNOMED CT	2.16.840.1.113883.6.96	Continent

Legend	
Definitie	
Datatype	
Opties	

## 1.8 Example Instances

Darmfunctie (stoma)	
Algemeen	
FecesContinentie	-
Frequentie	3 maal per dag
Incontinentiemateriaal	-
DefecatieConsistentie	Als een worst of slang, glad en zacht.
Defecatiekleur	Normaal
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.

Darmfunctie (continentie stoornis)	
Algemeen	
FecesContinentie	Af en toe een ongelukje
Frequentie	4 maal per dag
Incontinentiemateriaal	Elastisch broekje
DefecatieConsistentie	Zachte stukjes met gehavende randen.
Defecatiekleur	Grijswit
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

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](mailto:info@nictiz.nl)  
[www.nictiz.nl](http://www.nictiz.nl)

