

# Health & Care Information Model:

## nl.nfu.BowelFunction-v1.0

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# 1. nl.nfu.BowelFunction-v1.0

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.nfu.Darmfunctie
DCM::PublicationDate	8-9-2015
DCM::PublicationStatus	Published
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DCM::RevisionDate	8-9-2015
DCM::Superseeds	
DCM::Version	1.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

## 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.

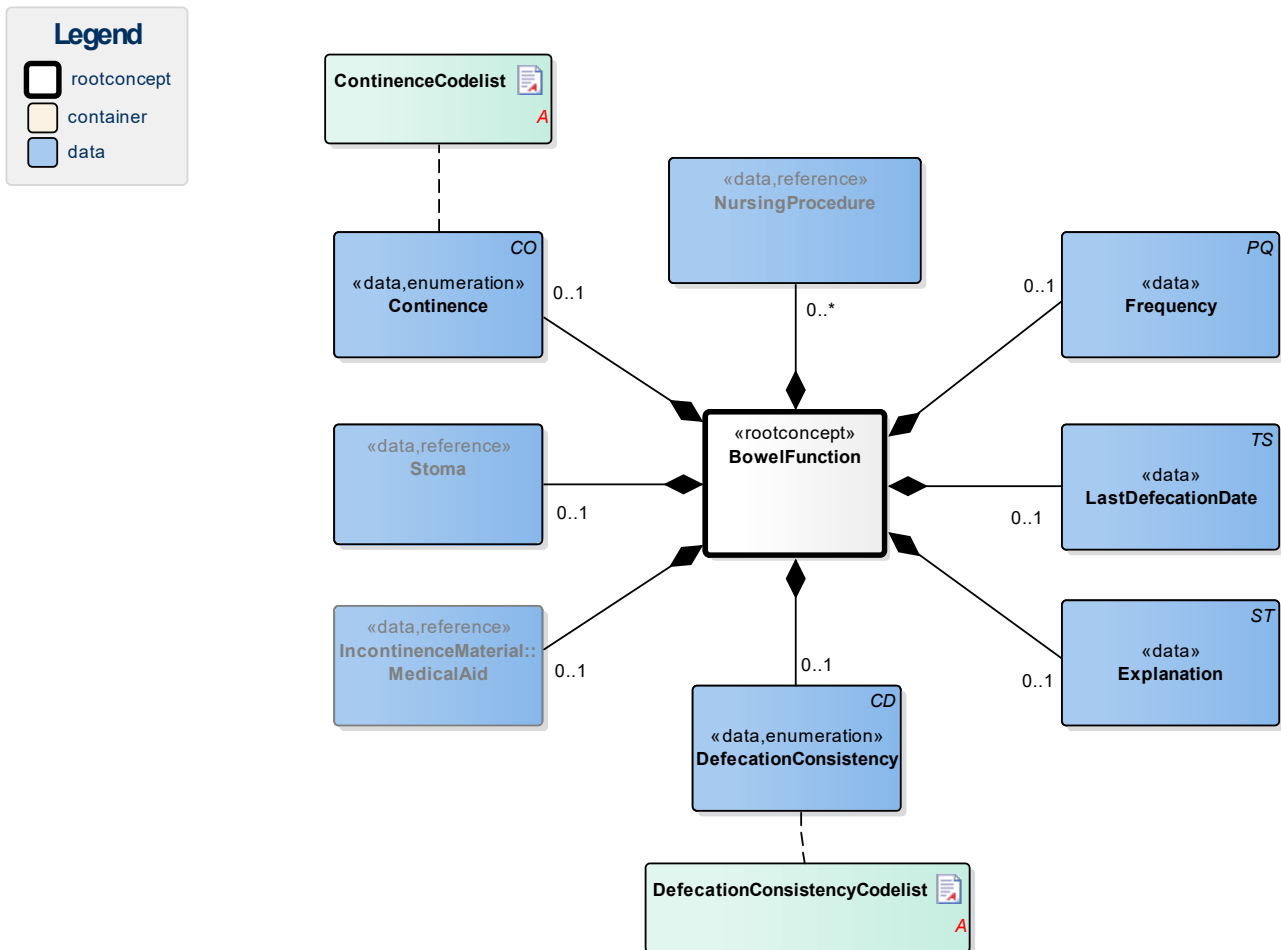
In a transfer situation, it offers the ability to anticipate the arrival of the patient and to achieve continuity in healthcare for the patient. This way, material or expertise can be coordinated beforehand, for example.

## 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	
<b>Definitie</b>	Root concept of the BowelFunction building block. This root concept contains all data elements of the BowelFunction building block.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.15.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 11198001 Defecation	
<b>Opties</b>		

«data»	Continenence	
<b>Definitie</b>	Continenence is the voluntary control over the excretion of feces.	
<b>Datatype</b>	CO	
<b>DCM::ConceptId</b>	NL-CM:4.15.2	
<b>DCM::DefinitionCode</b>	ICF: b5253 Fecale continentie	
<b>DCM::ExampleValue</b>	Lichte stoornis	
<b>DCM::ValueSet</b>	ContinenenceCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1

<b>Opties</b>	
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<b>«data»</b>	<b>Stoma</b>	
<b>Definitie</b>	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.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.15.3	
<b>DCM::ExampleValue</b>	Dubbelloops colostoma	
<b>DCM::ReferencedConceptId</b>	NL-CM:5.2.1	This is a reference to concept Stoma in information model Stoma.
<b>Opties</b>		

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

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

<b>«data»</b>	<b>LastDefecationDate</b>	
<b>Definitie</b>	Date of the last defecation.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:4.15.5	
<b>Opties</b>		

<b>«data»</b>	<b>IncontinenceMaterial::MedicalAid</b>	
<b>Definitie</b>	A description of the incontinence material used.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.15.6	
<b>DCM::DefinitionCode</b>	SNOMED CT: 337588003 Incontinence appliance	
<b>DCM::ExampleValue</b>	Elastisch broekje	

<b>DCM::ReferencedConceptId</b>	NL-CM:10.1.1	This is a reference to concept MedischHulpmiddel in information model MedischHulpmiddel.
<b>Opties</b>		

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

<b>«data»</b>	<b>Explanation</b>	
<b>Definitie</b>	An explanation of the BowelFunction.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:4.15.7	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>DefecationConsistencyCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2	
<b>Opties</b>		

<b>DefecatieConsistentieCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2</b>		
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

<b>«document»</b>	<b>ContinenceCodelist</b>
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<b>Definitie</b>				
<b>Datatype</b>				
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.	60.40.2.4.15.1		
<b>Opties</b>				
<b>ContinentieCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1</b>		
<b>Concept Name</b>	<b>Concept Code</b>	<b>CodeSys. Name</b>	<b>CodeSystem OID</b>	<b>Description</b>
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

<b>Darmfunctie (stoma)</b>	
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.

<b>Darmfunctie (continentie stoornis)</b>	
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

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