

# Health & Care Information Model:

nl.zorg.BowelFunction-v5.0

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# Content

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# 1. nl.zorg.BowelFunction-v5.0

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	25-04-2025
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DCM::RevisionDate	09-04-2024
DCM::Supersedes	nl.zorg.Darmfunctie-v4.0
DCM::Version	5.0
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.

Publicatieversie 3.1.2 (01-12-2021)

Bevat: ZIB-1582.

Publicatieversie 4.0 (10-06-2022)

Bevat: ZIB-1581.

Publicatieversie 5.0 (15-04-2024)

Bevat: ZIB-2129.

## 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.

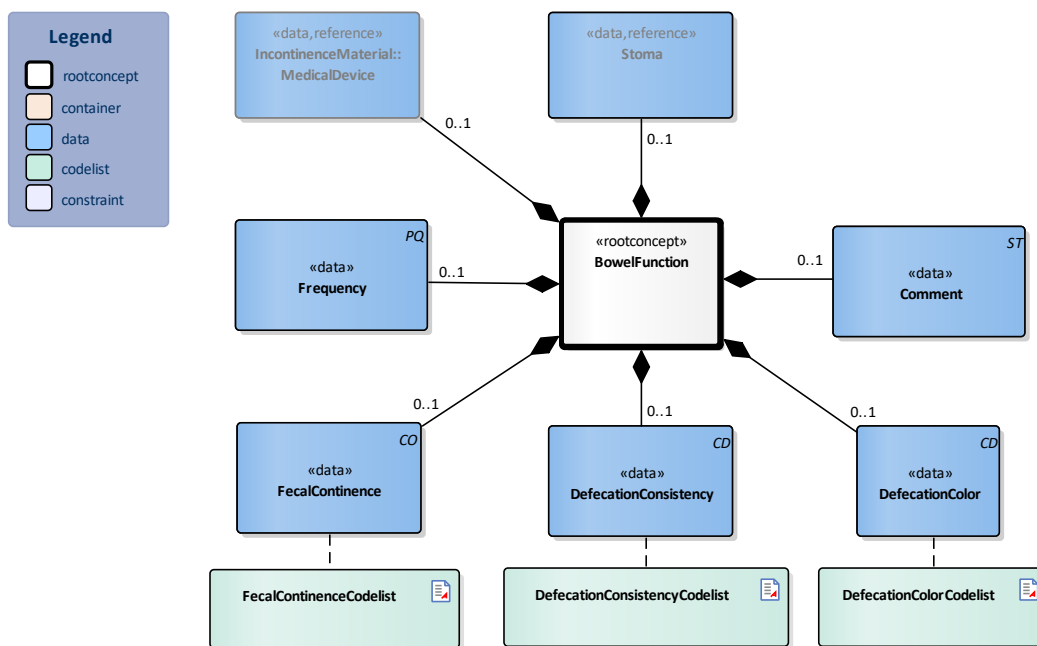
In a transfer situation, it offers the ability to anticipate the arrival of the patient and to achieve continuity in healthcare for the patient. This way, material or expertise can be coordinated beforehand, for example.

## 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: 300373008	Finding of defecation
Opties		

«data»	FecalContinence	
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

<b>DCM::ValueSet</b>	FecalContinenceCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1
<b>Opties</b>		

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

<b>«data»</b>	<b>IncontinenceMaterial::MedicalDevice</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 the rootconcept of information model MedicalDevice.
<b>Opties</b>		

«data»	Comment	
<b>Definitie</b>	A comment on 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>		

«document»	DefecationConsistencyCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.15.2	
<b>DCM::ValueSetIncludeOTH</b>	False	
<b>DCM::ValueSetStatus</b>	Active	
<b>HCIM::ValueSetLanguage</b>	EN	
<b>Opties</b>		

DefecatieConsistentieCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.15.2	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Separate hard lumps, like nuts.	Type1	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Losse harde keutels, zoals noten
Sausage-shaped but lumpy.	Type2	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Als een worst, maar klonterig
Like sausage but with cracks on its surface.	Type3	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Als een worst, maar met barstjes aan de buitenkant
Like sausage or snake, smooth and soft.	Type4	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Als een worst of slang, glad en zacht
Soft blobs with clear-cut edges	Type5	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Zachte keutels met duidelijke randen
Fluffy pieces with ragged edges	Type6	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Zachte stukjes met gehavende randen
Entirely liquid	Type7	BristolStoolTypes	2.16.840.1.113883.2.4.3.11.6 0.40.4.3.1	Helemaal vloeibaar

«document»	DefecationColorCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.15.5	
<b>DCM::ValueSetIncludeOTH</b>	True	
<b>DCM::ValueSetStatus</b>	Active	
<b>HCIM::ValueSetLanguage</b>	NL	
<b>Opties</b>		

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»	FecalContenanceCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.15.1	
<b>DCM::ValueSetInclude OTH</b>	False	
<b>DCM::ValueSetStatus</b>	Active	
<b>HCIM::ValueSetLanguage</b>	NL	
<b>Opties</b>		

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
<b>Definitie</b>	
<b>Datatype</b>	
<b>Opties</b>	

## 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

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