

Health & Care Information Model: nl.zorg.FeedingTubeSystem-v3.1

Final

Managed by:

Better health
through better IT



Content

1. nl.zorg.FeedingTubeSystem-v3.1	3
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	4
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	6
1.9 Instructions	7
1.10 Interpretation	7
1.11 Care Process	7
1.12 Example of the Instrument	7
1.13 Constraints	7
1.14 Issues	7
1.15 References	7
1.16 Functional Model	7
1.17 Traceability to other Standards	7
1.18 Disclaimer	7
1.19 Terms of Use	8
1.20 Copyrights	8

1. nl.zorg.FeedingTubeSystem-v3.1

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	3-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.10.3
DCM::KeywordList	Sonde, feeding tube, toedieningssysteem
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.SondeSysteem
DCM::PublicationDate	04-09-2017
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	04-09-2017
DCM::Superseeds	nl.zorg.SondeSysteem-v3.0
DCM::Version	3.1
HCIM::PublicationLanguage	EN

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-545, ZIB-607.

1.2 Concept

A feeding tube is a special catheter used to:

- administer liquid food to people who are incapable of oral intake of food or liquid,
- administer medication,
- drain (siphon) or pump out gastric juice.

There are different ways to place a feeding tube. A feeding tube can be inserted through the nose, in the stomach or in the intestines (duodenum, jejunum).

Percutaneous endoscopic gastrostomy (PEG) is a technique in which a feeding tube is placed into the stomach through the abdominal wall. This thin tube (PEG tube) is used to feed a patient who is incapable of oral food intake for a prolonged period of time.

1.3 Mindmap

1.4 Purpose

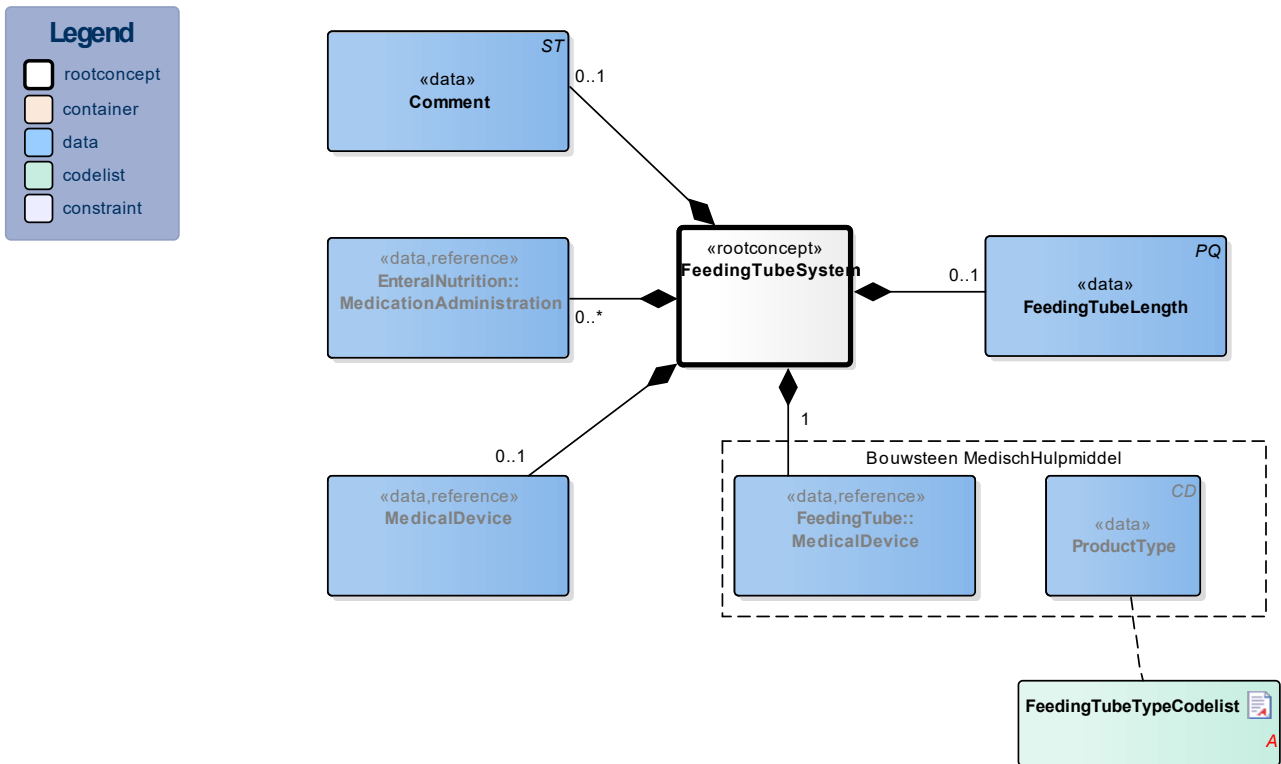
The purpose of a feeding tube is usually to administer food and/or medication.

Information on present feeding tubes is recorded to inform other health professionals. This information is of importance in determining the care required for the patient and in safely administering medication. In a transfer situation, the information offers the option to realize continuity of care by organizing specific expertise and materials in advance, for example.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model



«rootconcept»	FeedingTubeSystem
Definitie	Root concept of the FeedingTubeSystem information model. This root concept contains all data elements of the FeedingTubeSystem information model.
Datatype	
DCM::ConceptId	NL-CM:10.3.1
Opties	

«data»	FeedingTube::MedicalDevice
Definitie	FeedingTube describes the presence of a feeding tube. If this is the case,

	the date of placement and insertion location can be described in addition to the type of feeding tube. Furthermore, it offers the option to record identification information of the feeding tube if desired.	
Datatype		
DCM::ConceptId	NL-CM:10.3.2	
DCM::DefinitionCode	SNOMED CT: 25062003 Feeding tube	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicationAdministration.
Opties		

«data»	ProductType	
Definitie	A description of the type of feeding tube based on the location where it was inserted and the position of the tip of the tube.	
Datatype	CD	
DCM::ConceptId	NL-CM:10.1.3	
DCM::ValueSet	FeedingTubeTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1
Opties		

«data»	FeedingTubeLength	
Definitie	The input length of the feeding tube in cm for the patient in question as determined by formulas based on for example the NEX i.e. nosepoint-earlobe-xyphoid distance (adults) or body length (children).	
Datatype	PQ	
DCM::ConceptId	NL-CM:10.3.8	
Opties		

«data»	EnteralNutrition::MedicationAdministration	
Definitie	The description of the fluid administered through the feeding tube and the dose administered, as given in the medication prescription. Though most cases involve food being administered through the feeding tube, medication is often administered through these tubes as well.	
Datatype		
DCM::ConceptId	NL-CM:10.3.3	
DCM::DefinitionCode	SNOMED CT: 225748000 Artificial feed	
DCM::ExampleValue	Nutrison	
DCM::ReferencedConceptId	NL-CM:9.13.20928	This is a reference to the rootconcept of information model MedicationAdministration2.
Opties		

«data»	MedicalDevice	
Definitie	A description of aids required to use the feeding tube, such as an enteral feeding pump or a vacuum pump in the event of draining fluid.	
Datatype		
DCM::ConceptId	NL-CM:10.3.7	

DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicationAdministration.
Opties		

«data»	Comment	
Definitie	A comment on the feeding tube.	
Datatype	ST	
DCM::ConceptId	NL-CM:10.3.6	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	FeedingTubeTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1	
Opties		

SondeTypeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Jejunostomy tube	126065006	SNOMED CT	2.16.840.1.113883.6.96	Jejunostomie katheter
Gastrostomy tube	470571004	SNOMED CT	2.16.840.1.113883.6.96	Gastrostomie katheter
Percutaneous endoscopic gastrostomy catheter	281414004	SNOMED CT	2.16.840.1.113883.6.96	PEG sonde
Percutaneous radiological gastrostomy catheter	8921000146109	SNOMED CT	2.16.840.1.113883.6.96	PRG sonde
Percutaneous endoscopic gastrojejunostomy catheter	8851000146109	SNOMED CT	2.16.840.1.113883.6.96	PEG-J sonde
Percutaneous endoscopic jejunostomy catheter	8911000146104	SNOMED CT	2.16.840.1.113883.6.96	PEJ sonde
Nasogastric tube	17102003	SNOMED CT	2.16.840.1.113883.6.96	Neus-maagsonde
Nasojejunal tube	8581000146101	SNOMED CT	2.16.840.1.113883.6.96	Neus-jejunumsonde
Nasoduodenal tube	8591000146104	SNOMED CT	2.16.840.1.113883.6.96	Neus-duodenumsonde
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

1.8 Example Instances

SondeSysteem	
Sonde	
ProductType	PEG sonde
SondeLengte	--
BeginDatum	30-11-2014
SondeVoeding	
ProductNaam	Nutrison

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. V&VN. *Landelijke multidisciplinaire richtlijn Neusmaagsonde*. (2011) [Online] Beschikbaar op: <http://www.stuurgroepdervoeding.nl/wp-content/uploads/2015/02/Richtlijn-Neusmaagsonde-definitief.pdf> [Geraadpleegd: 13 februari 2015]

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/>)