

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

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# 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

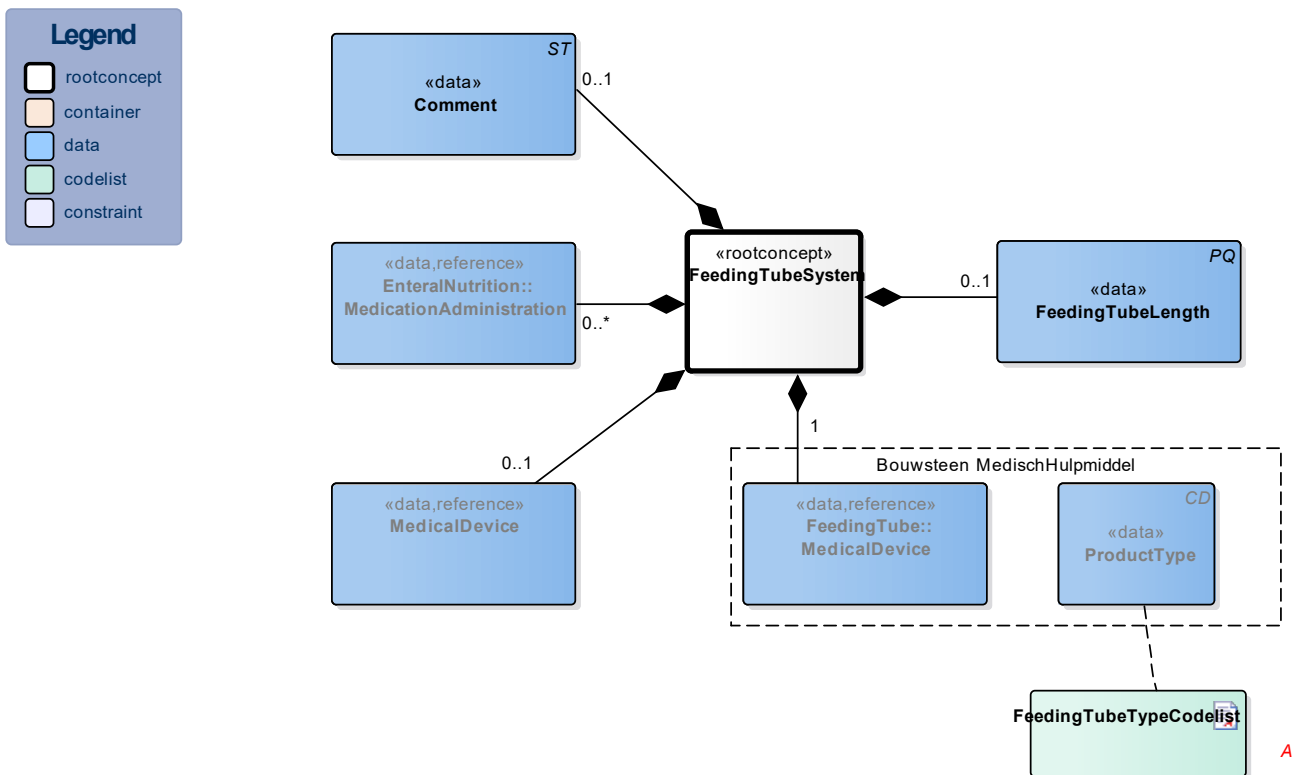
The purpose of a feeding tube is usually to administer food and/or medication.

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.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:10.3.2	
<b>DCM::DefinitionCode</b>	SNOMED CT: 25062003 Feeding tube	
<b>DCM::ReferencedConceptId</b>	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicationAdministration.
<b>Opties</b>		

<b>«data»</b>	<b>ProductType</b>	
<b>Definitie</b>	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.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:10.1.3	
<b>DCM::ValueSet</b>	FeedingTubeTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1
<b>Opties</b>		

<b>«data»</b>	<b>FeedingTubeLength</b>	
<b>Definitie</b>	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).	
<b>Datatype</b>	PQ	
<b>DCM::ConceptId</b>	NL-CM:10.3.8	
<b>Opties</b>		

<b>«data»</b>	<b>EnteralNutrition::MedicationAdministration</b>	
<b>Definitie</b>	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.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:10.3.3	
<b>DCM::DefinitionCode</b>	SNOMED CT: 225748000 Artificial feed	
<b>DCM::ExampleValue</b>	Nutrison	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.13.20928	This is a reference to the rootconcept of information model MedicationAdministration2.
<b>Opties</b>		

<b>«data»</b>	<b>MedicalDevice</b>	
<b>Definitie</b>	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.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:10.3.7	

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

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

«document»	FeedingTubeTypeCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.10.3.1	
<b>Opties</b>		

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

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