

# Health & Care Information Model: nl.nfu.FeedingTubeSystem-v1.0

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# 1. nl.nfu.FeedingTubeSystem-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	3-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	NFU & V&VN
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.10.3
DCM::KeywordList	Sonde, feeding tube, toedieningssysteem
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.nfu.SondeSysteem
DCM::PublicationDate	8-9-2015
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
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

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.

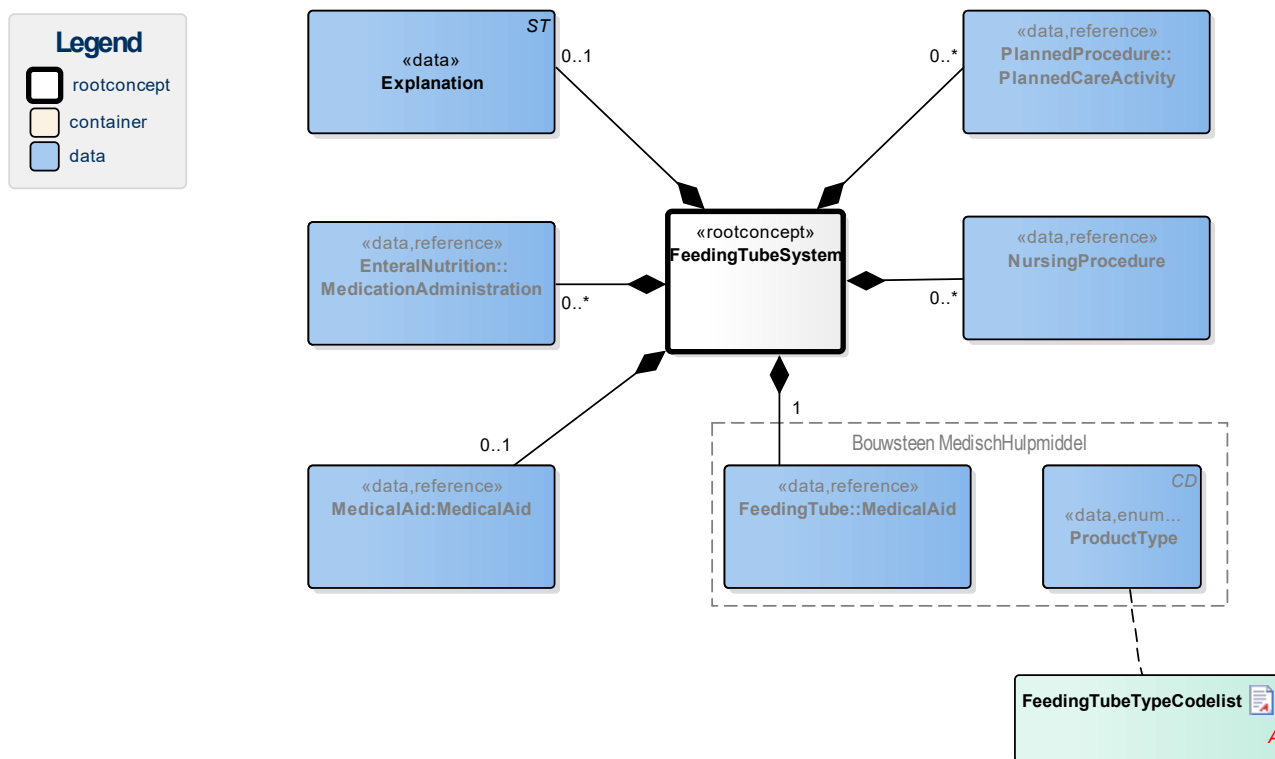
Information on present feeding tubes is recorded to inform other healthcare providers. This information is of importance in determining the care required for the patient and in safely administering medication. In a

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 building block. This root concept contains all data elements of the FeedingTubeSystem building block.	
Datatype		
DCM::ConceptId	NL-CM:10.3.1	
Opties		

«data»	FeedingTube::MedicalAid	
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	

<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>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>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:9.3.1	This is a reference to concept MedicatieToediening in information model MedicatieToediening.
<b>Opties</b>		

<b>«data»</b>	<b>MedicalAid:MedicalAid</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 concept MedischHulpmiddel in information model MedischHulpmiddel.
<b>Opties</b>		

<b>«data»</b>	<b>NursingProcedure</b>	
<b>Definitie</b>	The required nursing procedures and/or points for attention involved in placement, use and removal of the feeding tube.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:10.3.4	
<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>PlannedProcedure::PlannedCareActivity</b>	
<b>Definitie</b>	A planned (nursing) procedure or 'clinical reminder' relating to	

	administering the feeding tube. This can be used to record information such as the date on which the feeding tube must be replaced.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:10.3.5	
<b>DCM::ReferencedConceptId</b>	NL-CM:16.1.1	This is a reference to concept GeplandeZorgActiviteit in information model OverdrachtGeplandeZorgActiviteit.
<b>Opties</b>		

«data»	Explanation	
<b>Definitie</b>	An explanation of 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
BeginDatum	30-11-2014
SondeVoeding	
ProductNaam	Nutrison
VerpleegkundigeActie	
Activiteit	Sonde naspoelen met water na sondevoeding.
GeplandeActie	
Activiteit	Sonde verwisselen op 5-12-2014.

## 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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