

# Health & Care Information Model: nl.zorg.FeedingPatternInfant-v1.0

Status:Final

Release:2018

Release status: Prepublished

Managed by:



# Content

<b>1. nl.zorg.FeedingPatternInfant-v1.0</b>	<b>3</b>
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	3
1.6 Evidence Base	3
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.FeedingPatternInfant-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	11-10-2016
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.31
DCM::KeywordList	Voedingspatroon, zuigeling, voeding
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.VoedingspatroonZuigeling
DCM::PublicationDate	01-10-2018
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Superseeds	
DCM::Version	1.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 1.2 Concept

A healthy diet means that we do not consume too much or too little (energy intake balanced with energy use) and that the composition of food (mainly important nutrients) follows the recommendations from the Health Council. For an infant, this means that the child receives breastfeeding or formula milk or a combination thereof.

## 1.3 Mindmap

## 1.4 Purpose

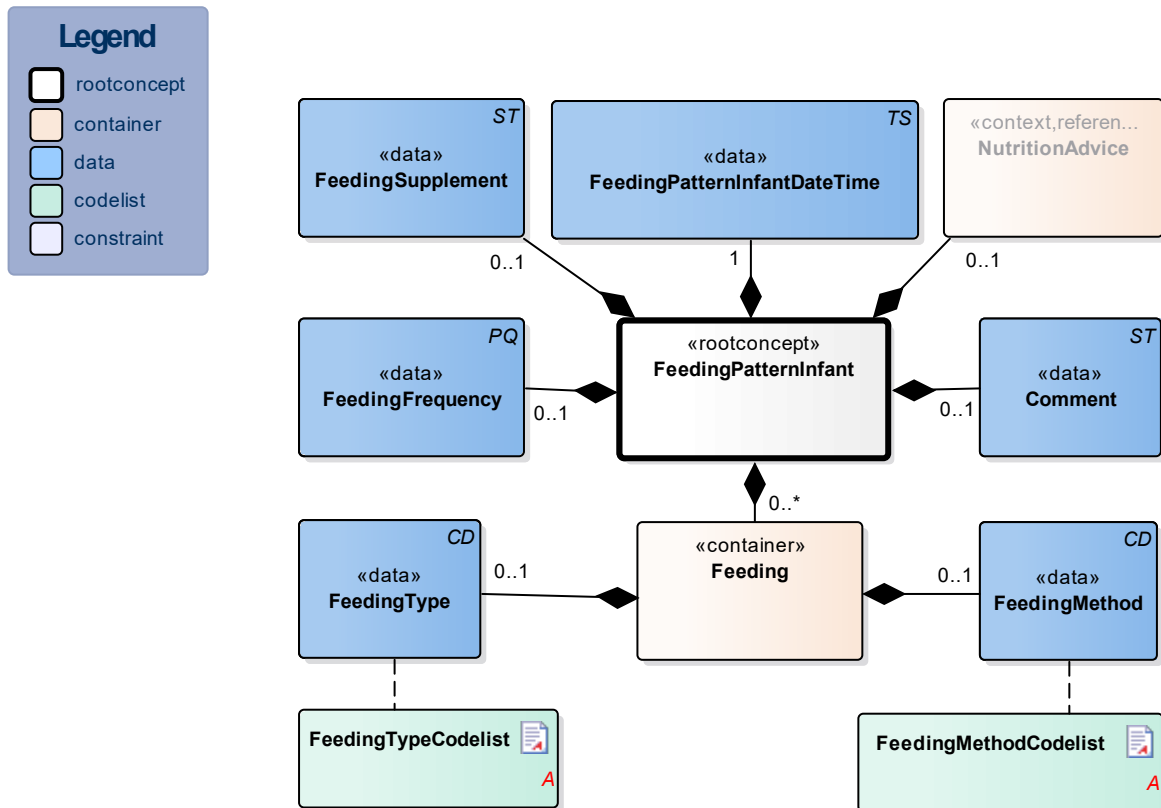
The purpose is to register which type of feeding the infant receives and when, to enable early estimation whether there are problems or whether the care surrounding feeding the infant can be taken over.

## 1.5 Patient Population

## 1.6 Evidence Base

The definitions of the concepts were (partly) based on the Multidisciplinary guideline Breastfeeding by the NCJ.

## 1.7 Information Model



«rootconcept»	FeedingPatternInfant
<b>Definitie</b>	Root concept of the FeedingPatternInfant information model. This root concept contains all data elements of the FeedingPatternInfant information model.
<b>Datatype</b>	
<b>DCM::ConceptId</b>	NL-CM:4.31.1
<b>Opties</b>	

«data»	FeedingPatternInfantDateTime
<b>Definitie</b>	The date and time on which the characteristics of feeding of the infant are registered.
<b>Datatype</b>	TS
<b>DCM::ConceptId</b>	NL-CM:4.31.6
<b>Opties</b>	

«data»	FeedingSupplement
<b>Definitie</b>	It is possible to add supplements to breast and formula milk, such as locust bean gum to thicken milk in case of infant reflux.
<b>Datatype</b>	ST
<b>DCM::ConceptId</b>	NL-CM:4.31.7
<b>DCM::ExampleValue</b>	johannesbroodpitmeel

<b>Opties</b>	
---------------	--

<b>«data»</b>	<b>FeedingFrequency</b>	
<b>Definitie</b>	The number of feeding gifts within 24 hours.	
<b>Datatype</b>	PQ	
<b>DCM::ConceptId</b>	NL-CM:4.31.5	
<b>DCM::DefinitionCode</b>	SNOMED CT:364653007 Frequency of infant feeding	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comment on the feeding of the infant.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:4.31.8	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«context»</b>	<b>NutritionAdvice</b>	
<b>Definitie</b>	This is a reference to the rootconcept DietaryRecommendations of information model DietaryRecommendations.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.31.9	
<b>DCM::ReferencedConceptId</b>	NL-CM:7.11.1	This is a reference to the rootconcept of information model DietaryRecommendations.
<b>Opties</b>		

<b>«container»</b>	<b>Feeding</b>	
<b>Definitie</b>	<p>Container of the Feeding concept. This container contains all data elements of the Feeding concept.</p> <p>Several combinations are possible:</p> <ol style="list-style-type: none"> <li>1) FeedingType breast milk, FeedingMethod breastfed = to give breastfeeding naturally.</li> <li>2) FeedingType breast milk, FeedingMethod bottle fed = to give expressed breast milk via bottle.</li> <li>3) FeedingType formula milk, FeedingMethod bottle fed = to give formula milk via bottle.</li> </ol> <p>Fill in the container for each relevant combination.</p>	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.31.2	
<b>Opties</b>		

<b>«data»</b>	<b>FeedingType</b>	
<b>Definitie</b>	The type of feeding (breast or formula milk) that is given to the infant.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:4.31.3	
<b>DCM::ValueSet</b>	FeedingTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1

<b>Opties</b>	
---------------	--

«data»	FeedingMethod	
<b>Definitie</b>	The method how the feeding is given to the infant.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:4.31.4	
<b>DCM::ValueSet</b>	FeedingMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2
<b>Opties</b>		

«document»	FeedingMethodCodelist	
<b>Definitie</b>	This is a reference to the rootconcept LegalSituation of information model LegalSituation .	
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2	
<b>Opties</b>		

VoedingMethodeCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Breast fed (finding)	169741004	SNOMED CT	2.16.840.1.113883.6.96	Borstvoeding
Infant bottle fed (finding)	268472006	SNOMED CT	2.16.840.1.113883.6.96	Flesvoeding

«document»	FeedingTypeCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1	
<b>Opties</b>		

VoedingSoortCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Expressed breast milk	226790003	SNOMED CT	2.16.840.1.113883.6.96	Borstvoeding
Formula milk	386127005	SNOMED CT	2.16.840.1.113883.6.96	Kunstvoeding

## 1.8 Example Instances

VoedingspatroonZuigeling	
VoedingSoort	Borstvoeding
VoedingMethode	Borstvoeding
VoedingFrequentie	6 keer per 24 uur
VoedingToevoeging	Geen
VoedingspatroonZuigelingDatumTijd	20-12-2016 10:00
Toelichting	Heeft veel zuigbehoefte en krijgt fopspeen voor de nacht

## 1.9 Instructions

The container Feeding can be filled in multiple times to denote different combinations of type of milk given and method used to feed. Several combinations are possible:

- 1) FeedingType breast milk, FeedingMethod breastfed = to give breastfeeding naturally.
- 2) FeedingType breast milk, FeedingMethod bottle fed = to give expressed breast milk via bottle.
- 3) FeedingType formula milk, FeedingMethod bottle fed = to give formula milk via bottle.

Fill in the container for each relevant combination.

## 1.10 Interpretation

## 1.11 Care Process

## 1.12 Example of the Instrument

## 1.13 Constraints

## 1.14 Issues

## 1.15 References

## 1.16 Functional Model

## 1.17 Traceability to other Standards

## 1.18 Disclaimer

The Health and Care Information Models (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 the Health and Care Information Models. 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 a 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 Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

## **1.20 Copyrights**

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

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/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.