

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

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# Content

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# 1. nl.zorg.FeedingStateInfant-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	31-12-2017
DCM::PublicationStatus	Published
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

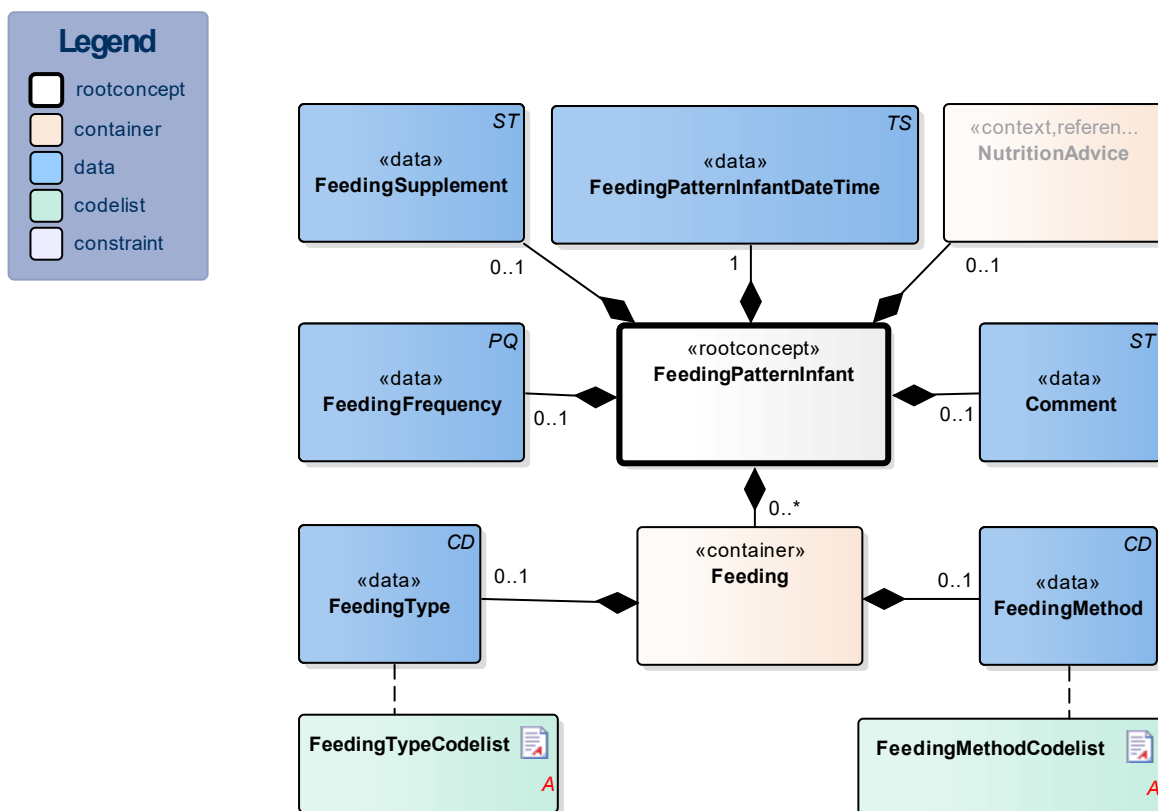
The purpose is to register which type of feeding the infant receives and when, to enable early estimation whether there are problems or whether the care surrounding feeding the infant can be taken over.

## 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>	
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<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>	
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<b>«data»</b>	<b>FeedingMethod</b>	
<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>		

<b>«document»</b>	<b>FeedingMethodCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2	
<b>Opties</b>		

<b>VoedingMethodeCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2</b>		
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

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

<b>VoedingSoortCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1</b>		
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

<b>VoedingspatroonZuigeling</b>	
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**

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