

Health & Care Information Model:

nl.zorg.FeedingPatternInfant-v1.1.3

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1. nl.zorg.FeedingPatternInfant-v1.1.3

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1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.1 (01-09-2020)
Bevat: ZIB-921, ZIB-933.

Publicatieversie 1.1.1 (01-12-2021)
Bevat: ZIB-1575.

Publicatieversie 1.1.2 (10-06-2022)
Bevat: ZIB-1629.

Publicatieversie 1.1.3 (15-10-2023)
Bevat: ZIB-1924

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

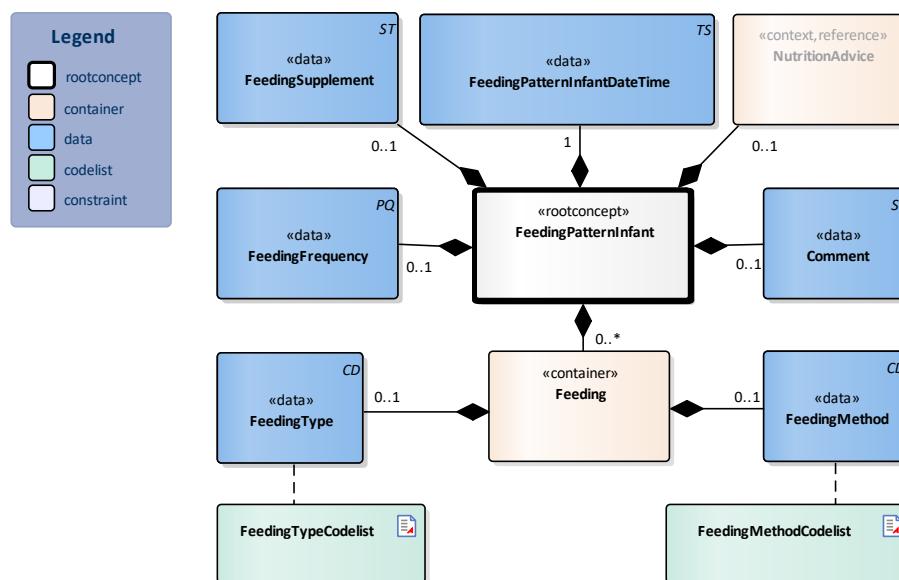
The purpose is to register which type of feeding the infant receives and when, to enable early estimation whether there are problems or whether the care surrounding feeding the infant can be taken over.

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	
Definitie	Root concept of the FeedingPatternInfant information model. This root concept contains all data elements of the FeedingPatternInfant information model.	
Datatype		
DCM::ConceptId	NL-CM:4.31.1	
DCM::DefinitionCode	SNOMED CT: 289145007	Finding of infant feeding pattern
Opties		

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

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

DCM::DefinitionCode	SNOMED CT: 373453009 Nutritional supplement	
DCM::ExampleValue	johannesbroodpitmeel	
Opties		

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

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

«context»	NutritionAdvice	
Definitie	This is a reference to the root concept NutritionAdvice of information model NutritionAdvice.	
Datatype		
DCM::ConceptId	NL-CM:4.31.9	
DCM::DefinitionCode	SNOMED CT: 386461003 Infant nutrition education	
DCM::ReferencedConceptId	NL-CM:7.11.1	This is a reference to the rootconcept of information model DietaryRecommendations.
Opties		

«container»	Feeding	
Definitie	<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"> 1) FeedingType breast milk, FeedingMethod breast fed = 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. <p>Fill in the container for each relevant combination.</p>	
Datatype		
DCM::ConceptId	NL-CM:4.31.2	
DCM::DefinitionCode	SNOMED CT: 230126006 Finding relating to infant feeding	
Opties		

«data»	FeedingType	
Definitie	The type of feeding (breast or formula milk) that is given to the infant.	
Datatype	CD	

DCM::ConceptId	NL-CM:4.31.3	
DCM::DefinitionCode	SNOMED CT: 109021000146107 Infant food type	
DCM::ValueSet	FeedingTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1
Opties		

«data»	FeedingMethod	
Definitie	The method how the feeding is given to the infant.	
Datatype	CD	
DCM::ConceptId	NL-CM:4.31.4	
DCM::DefinitionCode	SNOMED CT: 169740003 Infant feeding method	
DCM::ValueSet	FeedingMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2
Opties		

«document»	FeedingMethodCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.31.2	
HCIM::ValueSetLanguage	--	
Opties		

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 krijgen
Infant bottle fed (finding)	268472006	SNOMED CT	2.16.840.1.113883.6.96	Voeding via fles

«document»	FeedingTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.4.31.1	
HCIM::ValueSetLanguage	--	
Opties		

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
Breast milk	226789007	SNOMED CT	2.16.840.1.113883.6.96	Moedermelk
Formula milk	386127005	SNOMED CT	2.16.840.1.113883.6.96	Kunstvoeding

Definitie	
Datatype	
Opties	

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 breast fed = 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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Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl

