

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

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Content

1. nl.zorg.FeedingPatternInfant-v1.0	3
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	6
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	7
1.20 Copyrights	8

1. nl.zorg.FeedingPatternInfant-v1.0

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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

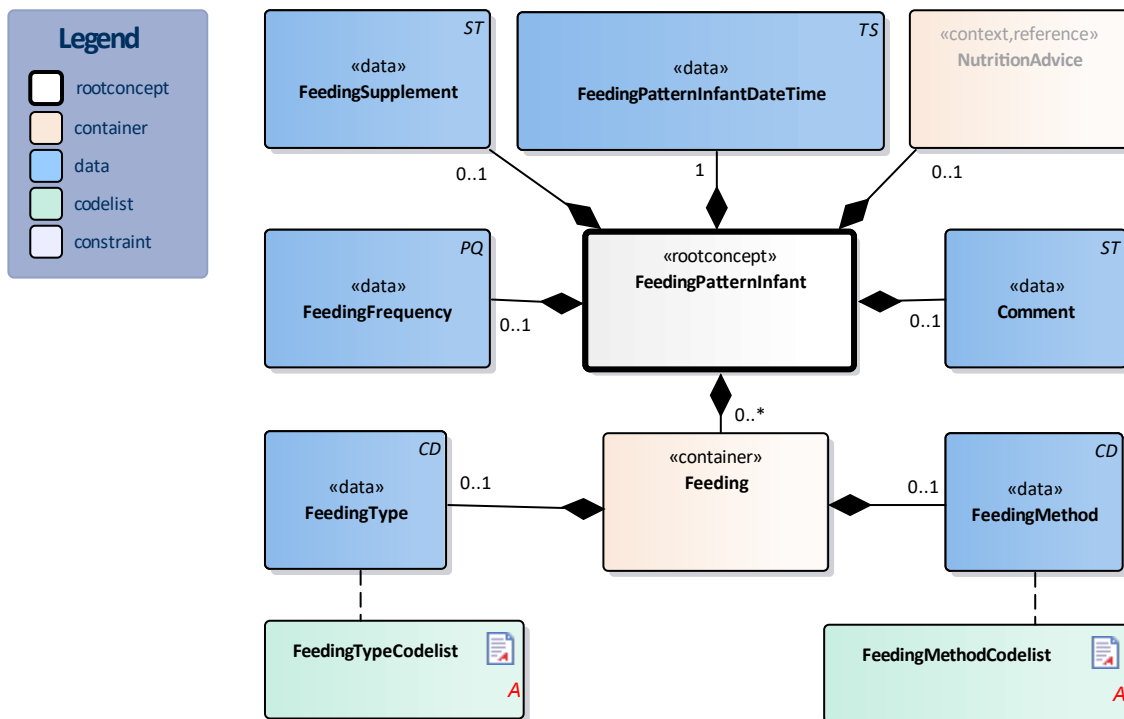
The purpose is to register which type of feeding the infant receives and when, to enable early estimation whether there are problems or whether the care surrounding feeding the infant can be taken over.

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
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
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::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 rootconcept DietaryRecommendations of information model DietaryRecommendations.	
Datatype		
DCM::ConceptId	NL-CM:4.31.9	
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 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. <p>Fill in the container for each relevant combination.</p>	
Datatype		
DCM::ConceptId	NL-CM:4.31.2	
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::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::ValueSet	FeedingMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2
Opties		

«document»	FeedingMethodCodelist	
Definitie	This is a reference to the rootconcept LegalSituation of information model LegalSituation .	

Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.31.2			
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
Infant bottle fed (finding)	268472006	SNOMED CT	2.16.840.1.113883.6.96	Flesvoeding

«document»	FeedingTypeCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.4.31.1			
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
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

	Legend
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 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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