

# Health&Care Information Model: nl.zorg.VerpleegkundigeInterventie

Final

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# Content

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# 1. nl.zorg.VerpleegkundigeInterventie-v3.0

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	7-7-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.14.2
DCM::KeywordList	Interventie, verpleegkundige actie
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.VerpleegkundigeInterventie
DCM::PublicationDate	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	8-9-2015
DCM::Superseeds	nl.nfu.VerpleegkundigeInterventie-v1.0
DCM::Version	3.0

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

## 1.2 Concept

A nursing intervention is the care and/or treatment carried out by a nurse based on an expert opinion and clinical knowledge. It is part of the nursing process; interventions are determined as a result of indexed healthcare problems (nursing diagnoses) and based on treatment goals. The interventions are outlined in the nursing procedures.

## 1.3 Mindmap

## 1.4 Purpose

The nursing interventions are an essential part of the nursing process. A nursing intervention is recorded to document the nursing policy and to update other healthcare providers on the intervention. The

documentation of nursing interventions offers the option to determine whether the interventions outlined in the treatment plan have been carried out. This way, we can facilitate optimal nursing and continuity of care.

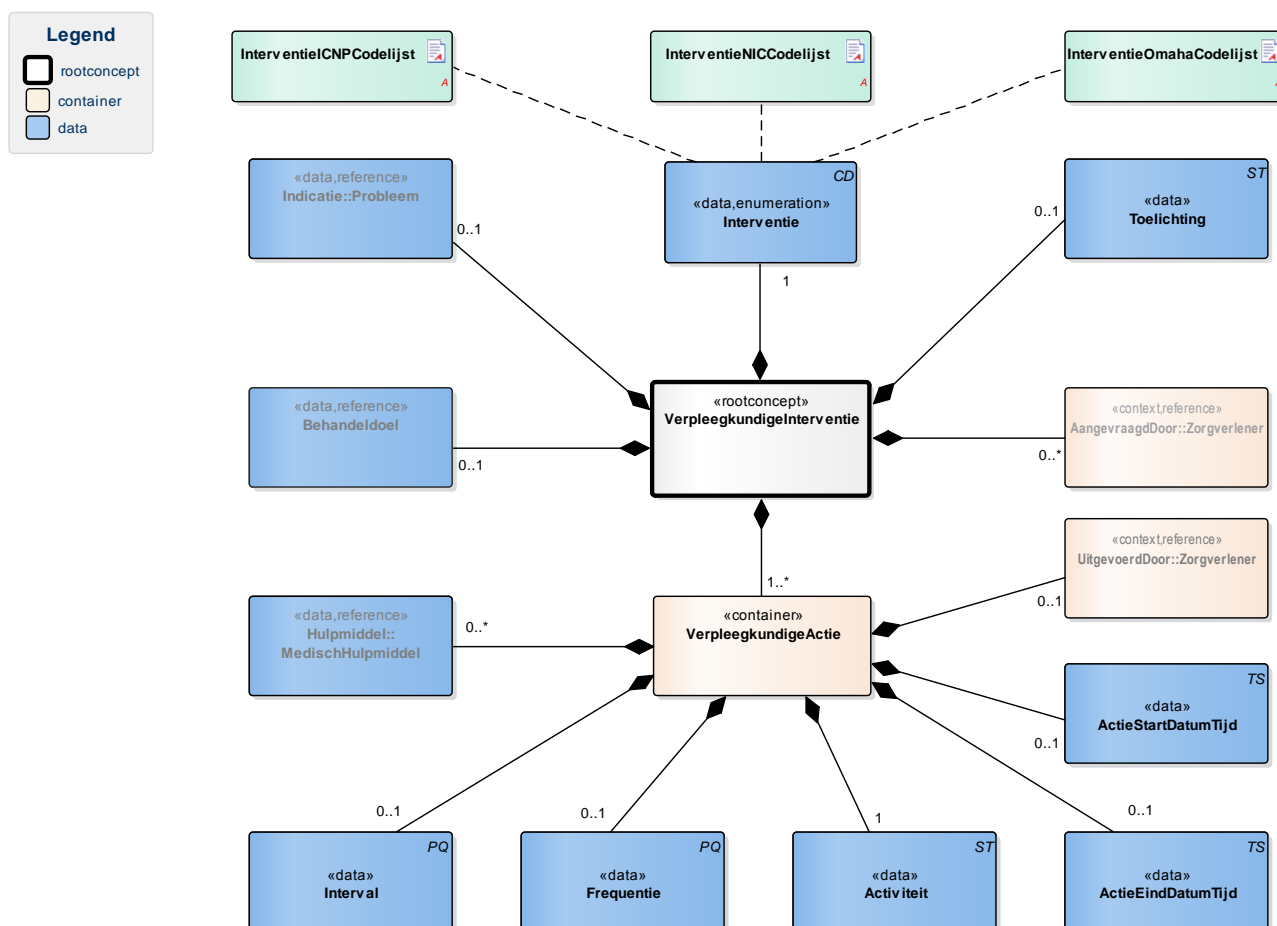
## 1.5 Patient Population

## 1.6 Evidence Base

Various classifications can be used in an organization to support the nursing process (nursing diagnoses/symptoms, interventions and healthcare results). The chosen classification system usually depends on the context of the care (and the accessibility of the classification). Commonly used systems include Omaha System, NANDA, NIC and NOC (also known as the NNN-classification) and ICF.

For more information, please refer to the 'References' section.

## 1.7 Information Model



«rootconcept»	VerpleegkundigeInterventie
Alias	EN: NursingIntervention
Definition	Root concept of the NursingIntervention building block. This root concept contains all data elements of the NursingIntervention building block.

<b>Datatype</b>	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.1
<b>Options</b>	

<b>«data»</b>	<b>Interventie</b>
<b>Alias</b>	EN: Intervention
<b>Definition</b>	A nursing intervention is a treatment carried out by a nurse based on an expert opinion and clinical knowledge for the benefit of the person requesting healthcare. The intervention is targeted towards a certain problem (diagnosis) and has a predetermined healthcare result. There are different classifications that describe interventions, including the NIC (National Intervention Classification) and the Omaha System. This building block uses coded interventions.
<b>Datatype</b>	CD
<b>DCM::DefinitionCode</b>	NL-CM:14.2.2
<b>DCM::ValueSet</b>	InterventieOmahaCodelijst OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3
<b>DCM::ValueSet</b>	InterventieNICCodelijst OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
<b>DCM::ValueSet</b>	InterventieICNPCodelijst OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1
<b>Options</b>	

<b>«data»</b>	<b>Indicatie::Probleem</b>
<b>Alias</b>	EN: Indication::Problem
<b>Definition</b>	The nursing-related problem (indication) providing cause for the intervention.
<b>Datatype</b>	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.6
<b>DCM::ReferencedDefinitionCode</b>	NL-CM:5.1.2 This is a reference to concept Probleem in information model OverdrachtConcern.
<b>Options</b>	

<b>«data»</b>	<b>Behandeldoel</b>
<b>Alias</b>	EN: TreatmentGoal
<b>Definition</b>	The description of the treatment goal that the intervention decision is based on.
<b>Datatype</b>	
<b>DCM::DefinitionCode</b>	NL-CM:13.4.7
<b>DCM::ReferencedDefinitionCode</b>	NL-CM:13.5.1 This is a reference to concept Behandeldoel in information model Behandeldoel.
<b>Options</b>	

<b>«container»</b>	<b>VerpleegkundigeActie</b>
<b>Alias</b>	EN: NursingProcedure
<b>Definition</b>	Container of the NursingProcedure concept. This container contains all data elements of the NursingProcedure concept.
<b>Datatype</b>	
<b>DCM::DefinitionCode</b>	SNOMED CT: 9632001 Nursing procedure

<b>DCM::DefinitionCode</b>	NL-CM:14.2.9	
<b>Options</b>		

<b>«data»</b>	<b>Interval</b>	
<b>Alias</b>	EN: Interval	
<b>Definition</b>	Interval indicates the time between planned procedures. When entering an interval, the focus is on the time between the consecutive procedures, such as in the treatment of a wound, for example. The exact times are of lesser importance.	
<b>Datatype</b>	PQ	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.3	
<b>Options</b>		

<b>«data»</b>	<b>Frequentie</b>	
<b>Alias</b>	EN: Frequency	
<b>Definition</b>	The frequency describes how often and in which period certain procedures are carried out, e.g. 3x a day.	
<b>Datatype</b>	PQ	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.4	
<b>Options</b>		

<b>«data»</b>	<b>Activiteit</b>	
<b>Alias</b>	EN: Activity	
<b>Definition</b>	The description of nursing procedures carried out in the care for a patient. A nursing intervention consists of a set of patient-related nursing procedures.	
<b>Datatype</b>	ST	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.10	
<b>Options</b>		

<b>«data»</b>	<b>ActieStartDatumTijd</b>	
<b>Alias</b>	EN: ProcedureStartDateTime	
<b>Definition</b>	The start date (and if possible start time) of the procedure. The concept offers the option to indicate the start of the period of a series of repeating procedures.	
<b>Datatype</b>	TS	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.11	
<b>DCM::ExampleValue</b>	20120605	
<b>Options</b>		

<b>«data»</b>	<b>ActieEindDatumTijd</b>	
<b>Alias</b>	EN: ProcedureEndDateTime	
<b>Definition</b>	The end date (and if possible end time) of the procedure. The concept offers the option to indicate the end of the period of a series of repeating procedures.	
<b>Datatype</b>	TS	
<b>DCM::DefinitionCode</b>	NL-CM:14.2.12	
<b>DCM::ExampleValue</b>	20120607	
<b>Options</b>		

«data»	Hulpmiddel::MedischHulpmiddel	
Alias	EN: MedicalAid:MedicalAid	
Definition	Description of the materials used for the nursing procedure, such as bandages.	
Datatype		
DCM::DefinitionCode	NL-CM:14.2.13	
DCM::ReferencedDefinitionCode	NL-CM:10.1.1	This is a reference to concept MedischHulpmiddel in information model MedischHulpmiddel.
Options		

«context»	UitgevoerdDoor::Zorgverlener	
Alias	EN: CarriedOutBy::HealthcareProvider	
Definition	The healthcare provider carrying out the nursing procedure.	
Datatype		
DCM::DefinitionCode	NL-CM:14.2.7	
DCM::ReferencedDefinitionCode	NL-CM:17.1.1	This is a reference to concept Zorgverlener in information model Zorgverlener.
Options		

«context»	AangevraagdDoor::Zorgverlener	
Alias	EN: RequestedBy::HealthcareProvider	
Definition	The healthcare provider who requested the nursing intervention. If desired, only the requester's specialty can be entered.	
Datatype		
DCM::DefinitionCode	NL-CM:14.2.8	
DCM::ExampleValue	0330 Neurologie	
DCM::ReferencedDefinitionCode	NL-CM:17.1.1	This is a reference to concept Zorgverlener in information model Zorgverlener.
Options		

«data»	Toelichting	
Alias	EN: Explanation	
Definition	Explanation of the nursing intervention.	
Datatype	ST	
DCM::DefinitionCode	NL-CM:14.2.5	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Options		

«document»	InterventieICNPCodelijst	
Alias		
Definition		
Datatype		
Options		

InterventieICNPCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1
Codes	Coding Syst. Name	Coding System OID
Alle waarden	ICNP	2.16.840.1.113883.6.97

<b>«document»</b>	<b>InterventieNICCodelijst</b>	
Alias		
Definition		
Datatype		
Options		
<b>InterventieNICCodelijst</b>	<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2</b>	
Codes	Coding Syst. Name	Coding System OID
Alle waarden	NIC	2.16.840.1.113883.6.15

<b>«document»</b>	<b>InterventieOmahaCodelijst</b>	
Alias		
Definition		
Datatype		
Options		
<b>InterventieOmahaCodelijst</b>	<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3</b>	
Codes	Coding Syst. Name	Coding System OID
Alle waarden	Omaha	2.16.840.1.113883.6.98

## 1.8 Example Instances

<b>VerpleegkundigeInterventie</b>	
Interventie	Pijnmanagement
<b>Indicatie</b>	
ProbleemNaam	Pijn
<b>Behandeldoel</b>	
<b>Streefwaarde</b>	
MetingNaam	Pijnscore
UitslagWaarde	<4
UitslagDatumTijd	10-09-2015
<b>VerpleegkundigeActie</b>	
Activiteit	Ondersteuning van de wond bij hoesten.
ActieStartDatumTijd	10-08-2015
ActieEindDatumTijd	15-08-2015
<b>VerpleegkundigeActie</b>	
Activiteit	Toedienen medicatie volgens voorschrift bij pijnscore > 4.
ActieStartDatumTijd	10-08-2015
<b>Toelichting</b>	
Toelichting	-

## 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. Richtlijn Verpleegkundige en verzorgende verslaglegging (V&VN, 2011) [Online] Beschikbaar op: <http://www.diliguide.nl/document/4060/file/pdf/> [Geraadpleegd: 13 februari 2015]
2. Vreeke E, Klein Wolterink G. *Classificatie- en terminologiestelsels voor verpleegkundige informatie*. Nictiz & NFU (2014). [Geraadpleegd: 13 februari 2015]
3. The Omaha System [Online] Beschikbaar op: <http://www.omahasystem.org/> [Geraadpleegd: 13 februari 2015]
4. Nursing Intervention Classification (NIC) [Online] Beschikbaar op: <http://www.nursing.uiowa.edu/center-for-nursing-classification-and-clinical-effectiveness> [Geraadpleegd: 13 februari 2015]
5. Nursing Outcome Classification (NOC) [Online] Beschikbaar op: <http://www.nursing.uiowa.edu/center-for-nursing-classification-and-clinical-effectiveness> [Geraadpleegd: 13 februari 2015]
6. North American Nursing Diagnosis Association (NANDA) [Online] Beschikbaar op: <http://www.nanda.org/> [Geraadpleegd: 13 februari 2015]
7. International Classification for Nursing Practice (ICNP) [Online] Beschikbaar op: [www.icn.ch](http://www.icn.ch) [Geraadpleegd: 13 februari 2015]
8. International Classification of Functioning, Disability and Health (ICF) [Online] Beschikbaar op: <http://www.rivm.nl/who-fic/icf.htm> [Geraadpleegd: 13 februari 2015]

## 1.16 Functional Model

## 1.17 Traceability to other Standards

## 1.18 Disclaimer

This 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 Model (a.k.a Clinical Building Block)s. 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 this Clinical Building Block. The parties will not accept any liability for the content of information in this Clinical Building Block to which or from which a hyperlink is referred. In the event of contradictions in mentioned Clinical Building Block 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 this Clinical Building Block 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.

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