

# Health & Care Information Model: nl.zorg.NursingIntervention-v3.0

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# 1. nl.zorg.NursingIntervention-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
HCIM::PublicationLanguage	EN

## 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.

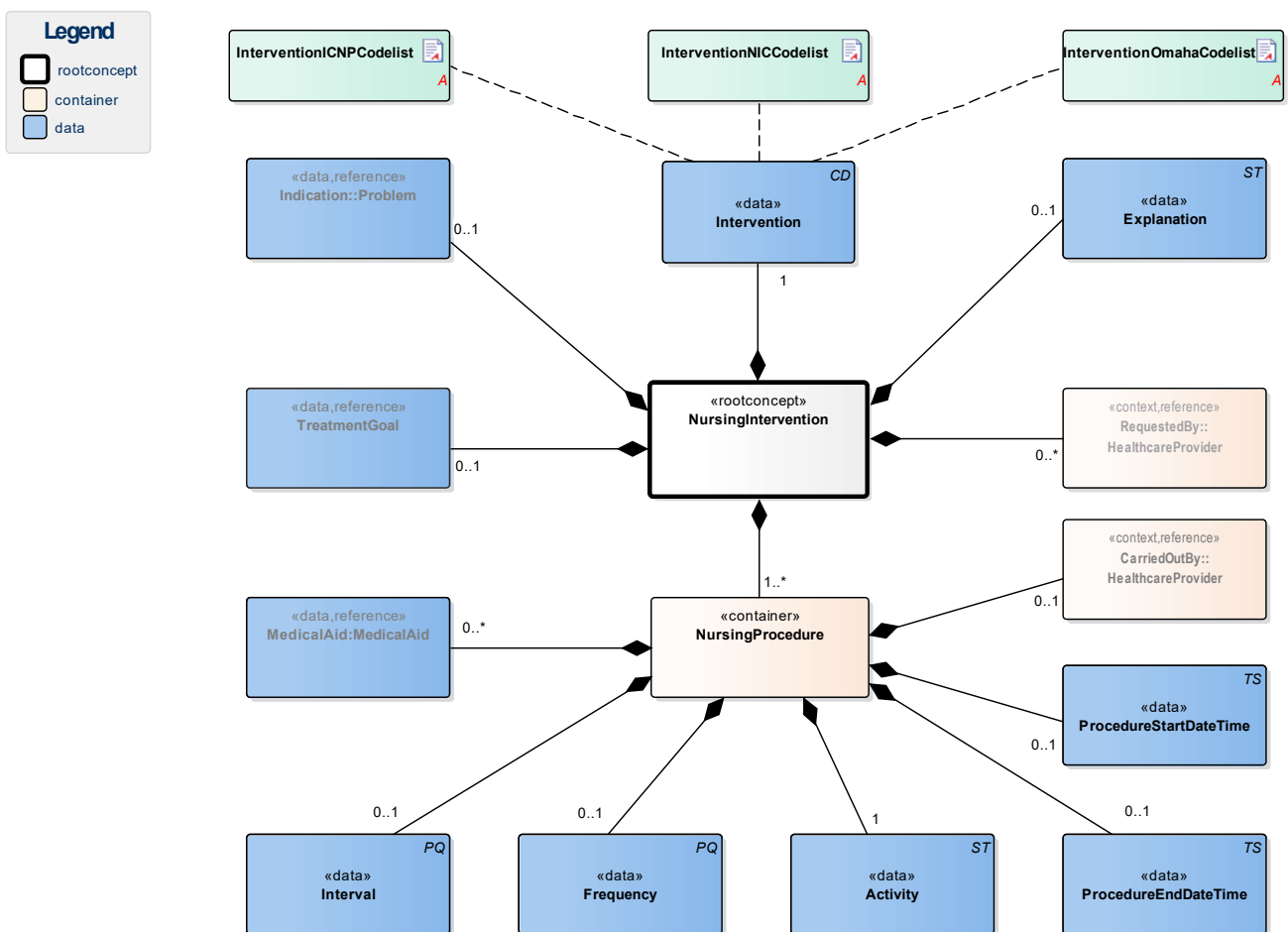
## 1.5 Patient Population

## 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»	NursingIntervention
Definitie	Root concept of the NursingIntervention information model. This root concept contains all data elements of the NursingIntervention information model.
Datatype	
DCM::ConceptId	NL-CM:14.2.1
Opties	

«data»	Intervention
Definitie	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 information model uses coded interventions.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:14.2.2	
<b>DCM::ValueSet</b>	InterventionOmahaCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3
<b>DCM::ValueSet</b>	InterventionNICCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
<b>DCM::ValueSet</b>	InterventionICNPCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1
<b>Opties</b>		

<b>«data»</b>	<b>Indication::Problem</b>	
<b>Definitie</b>	The nursing-related problem (indication) providing cause for the intervention.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.6	
<b>DCM::ReferencedConceptId</b>	NL-CM:5.1.2	This is a reference to concept Probleem in information model OverdrachtConcern.
<b>Opties</b>		

<b>«data»</b>	<b>TreatmentGoal</b>	
<b>Definitie</b>	The description of the treatment goal that the intervention decision is based on.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.14	
<b>DCM::ReferencedConceptId</b>	NL-CM:13.5.1	This is a reference to concept Behandeldoel in information model Behandeldoel.
<b>Opties</b>		

<b>«container»</b>	<b>NursingProcedure</b>	
<b>Definitie</b>	Container of the NursingProcedure concept. This container contains all data elements of the NursingProcedure concept.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.9	
<b>DCM::DefinitionCode</b>	SNOMED CT: 9632001 Nursing procedure	
<b>Opties</b>		

<b>«data»</b>	<b>Interval</b>	
<b>Definitie</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::ConceptId</b>	NL-CM:14.2.3	

<b>Opties</b>	
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<b>«data»</b>	<b>Frequency</b>
<b>Definitie</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::ConceptId</b>	NL-CM:14.2.4
<b>Opties</b>	

<b>«data»</b>	<b>Activity</b>
<b>Definitie</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::ConceptId</b>	NL-CM:14.2.10
<b>Opties</b>	

<b>«data»</b>	<b>ProcedureStartDateTime</b>
<b>Definitie</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::ConceptId</b>	NL-CM:14.2.11
<b>DCM::ExampleValue</b>	20120605
<b>Opties</b>	

<b>«data»</b>	<b>ProcedureEndDateTime</b>
<b>Definitie</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::ConceptId</b>	NL-CM:14.2.12
<b>DCM::ExampleValue</b>	20120607
<b>Opties</b>	

<b>«data»</b>	<b>MedicalAid:MedicalAid</b>
<b>Definitie</b>	Description of the materials used for the nursing procedure, such as bandages.
<b>Datatype</b>	
<b>DCM::ConceptId</b>	NL-CM:14.2.13
<b>DCM::ReferencedConceptId</b>	NL-CM:10.1.1
	This is a reference to concept MedischHulpmiddel in information model MedischHulpmiddel.
<b>Opties</b>	

<b>«context»</b>	<b>CarriedOutBy::HealthcareProvider</b>
<b>Definitie</b>	The healthcare provider carrying out the nursing procedure.
<b>Datatype</b>	

<b>DCM::ConceptId</b>	NL-CM:14.2.7	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.1.1	This is a reference to concept Zorgverlener in information model Zorgverlener.
<b>Opties</b>		

<b>«context»</b>	<b>RequestedBy::HealthcareProvider</b>	
<b>Definitie</b>	The healthcare provider who requested the nursing intervention. If desired, only the requester's specialty can be entered.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.8	
<b>DCM::ExampleValue</b>	0330 Neurologie	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.1.1	This is a reference to concept Zorgverlener in information model Zorgverlener.
<b>Opties</b>		

<b>«data»</b>	<b>Explanation</b>	
<b>Definitie</b>	Explanation of the nursing intervention.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:14.2.5	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>InterventionICNPCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1	
<b>Opties</b>		
<b>InterventieICNPCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	ICNP	2.16.840.1.113883.6.97

<b>«document»</b>	<b>InterventionNICodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2	
<b>Opties</b>		
<b>InterventieNICodelijst</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>InterventionOmahaCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3	
<b>Opties</b>		
<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

VerpleegkundigeInterventie	
Interventie	Pijnmanagement
Indicatie	
ProbleemNaam	Pijn
Behandeldoel	
Streefwaarde	
MetingNaam	Pijnscore
UitslagWaarde	<4
UitslagDatumTijd	10-09-2015
VerpleegkundigeActie	
Activiteit	Ondersteuning van de wond bij hoesten.
ActieStartDatumTijd	10-08-2015
ActieEindDatumTijd	15-08-2015
VerpleegkundigeActie	
Activiteit	Toedienen medicatie volgens voorschrift bij pijnscore > 4.
ActieStartDatumTijd	10-08-2015
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 Health and Care Information Model (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 this Health and Care Information Model. 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 this 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.

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