

# Health & Care Information Model: nl.zorg.NursingIntervention-v3.2

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# Content

<b>1. nl.zorg.NursingIntervention-v3.2</b>	<b>3</b>
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	7
1.9 Instructions	8
1.10 Interpretation	8
1.11 Care Process	8
1.12 Example of the Instrument	8
1.13 Constraints	8
1.14 Issues	8
1.15 References	8
1.16 Functional Model	9
1.17 Traceability to other Standards	9
1.18 Disclaimer	9
1.19 Terms of Use	9
1.20 Copyrights	9

# 1. nl.zorg.NursingIntervention-v3.2

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	26-02-2019
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	10-10-2018
DCM::Superseeds	nl.zorg.VerpleegkundigeInterventie-v3.1
DCM::Version	3.2
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-542.

Publicatieversie 3.2 (nn-nn-nnn)

Bevat: ZIB-728.

## 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. Following the NEN-EN-ISO 18104 norm, it is possible to structure nursing interventions (or actions) in a hierarchy, where one intervention can be part of another intervention.

In a home care situation some actions can also be performed by the patient or a caregiver after a relevant instruction

## 1.3 Mindmap

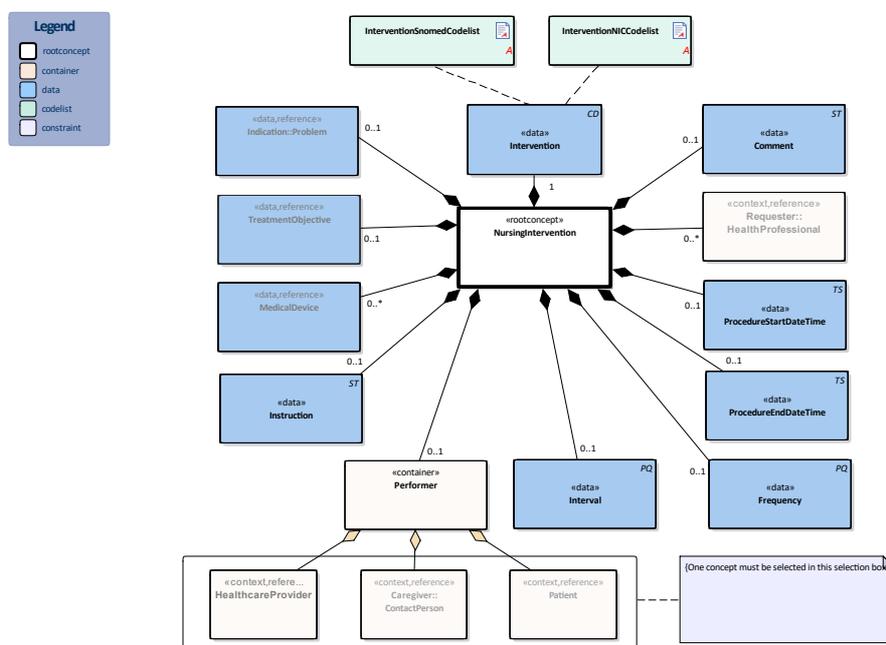
## 1.4 Purpose

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 health professionals 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

## 1.7 Information Model



<b>«rootconcept»</b>	<b>NursingIntervention</b>	
<b>Definitie</b>	Root concept of the NursingIntervention information model. This root concept contains all data elements of the NursingIntervention information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.1	
<b>DCM::DefinitionCode</b>	SNOMED CT:9632001	
<b>Opties</b>	Nursing procedure	

<b>«data»</b>	<b>Intervention</b>	
<b>Definitie</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. It is possible to build a hierarchy of nursing interventions (where one intervention is part of another).	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:14.2.2	

<b>DCM::ValueSet</b>	InterventionNICodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
<b>DCM::ValueSet</b>	InterventionSnomedCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4
<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:5.1.1	This is a reference to the rootconcept of information model Problem.
<b>Opties</b>		

<b>«data»</b>	<b>TreatmentObjective</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 the rootconcept of information model TreatmentObjective.
<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>		

<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>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>MedicalDevice</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 the rootconcept of information model MedicalDevice.
<b>Opties</b>		

<b>«data»</b>	<b>Instruction</b>	
<b>Definitie</b>	Instructions for performing the nursing action. This is particularly at issue when the action is performed by the patient himself or by a caregiver.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:14.2.18	
<b>Opties</b>		

<b>«container»</b>	<b>Performer</b>	
<b>Definitie</b>	The person carrying out the nursing procedure.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.15	
<b>Opties</b>		

<b>«context»</b>	<b>HealthcareProvider</b>	
<b>Definitie</b>	The health professional 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 the rootconcept of information model HealthProfessional.
<b>Opties</b>		

<b>«context»</b>	<b>Caregiver::ContactPerson</b>	
<b>Definitie</b>	The caregiver carrying out the nursing procedure.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.16	
<b>DCM::ReferencedConceptId</b>	NL-CM:3.1.1	This is a reference to the rootconcept of information model ContactPerson.
<b>Opties</b>		

<b>«context»</b>	<b>Patient</b>	
<b>Definitie</b>	The patient carrying out the nursing procedure.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:14.2.17	
<b>DCM::ReferencedConceptId</b>	NL-CM:0.1.1	This is a reference to the rootconcept of information model Patient.
<b>Opties</b>		

<b>«context»</b>	<b>Requester::HealthProfessional</b>	
<b>Definitie</b>	The health professional 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 the rootconcept of information model HealthProfessional.
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comment on 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>InterventionNICCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Preferred	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2	
<b>Opties</b>		
<b>InterventieNICCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2</b>
<b>Codes</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>
Alle waarden	NIC	2.16.840.1.113883.6.15

<b>«document»</b>	<b>InterventionSnomedCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Preferred	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4	
<b>Opties</b>		
<b>InterventieSnomedCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4</b>
<b>Codes</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>
SNOMED CT: <<71388002   procedure	SNOMED CT	2.16.840.1.113883.6.96

	<b>Legend</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>Opties</b>		

## 1.8 Example Instances

VerpleegkundigeInterventie	
Interventie	Pijnmanagement
ActieStartDatumTijd	01-08-2015
ActieEindDatumTijd	20-08-2015
Toelichting	-
Indicatie	
ProbleemNaam	Pijn
Behandeldoel	
Streefwaarde	
MetingNaam	Pijnscore
UitslagWaarde	<4
UitslagDatumTijd	10-09-2015
VerpleegkundigeInterventie	
Interventie	Ontspanningsoefeningen
ActieStartDatumTijd	10-08-2015
ActieEindDatumTijd	15-08-2015
Toelichting	-
Indicatie	
ProbleemNaam	Pijn
Behandeldoel	
Streefwaarde	
MetingNaam	Pijnscore
UitslagWaarde	<4
UitslagDatumTijd	10-09-2015

## 1.9 Instructions

For the nursing domain: when two parties use different classification systems, the SNOMED CT based Dutch nursing problem list is used for exchange of information, so that data becomes comparable and interchangeable. A mapping table is available from the Dutch nursing problem list to Omaha System, NANDA-I and ICF.

## 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

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