

Health & Care Information Model:

nl.zorg.NursingIntervention-v3.1

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1. nl.zorg.NursingIntervention-v3.1

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	31-12-2017
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Superseeds	nl.zorg.VerpleegkundigeInterventie-v3.0
DCM::Version	3.1
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

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.

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

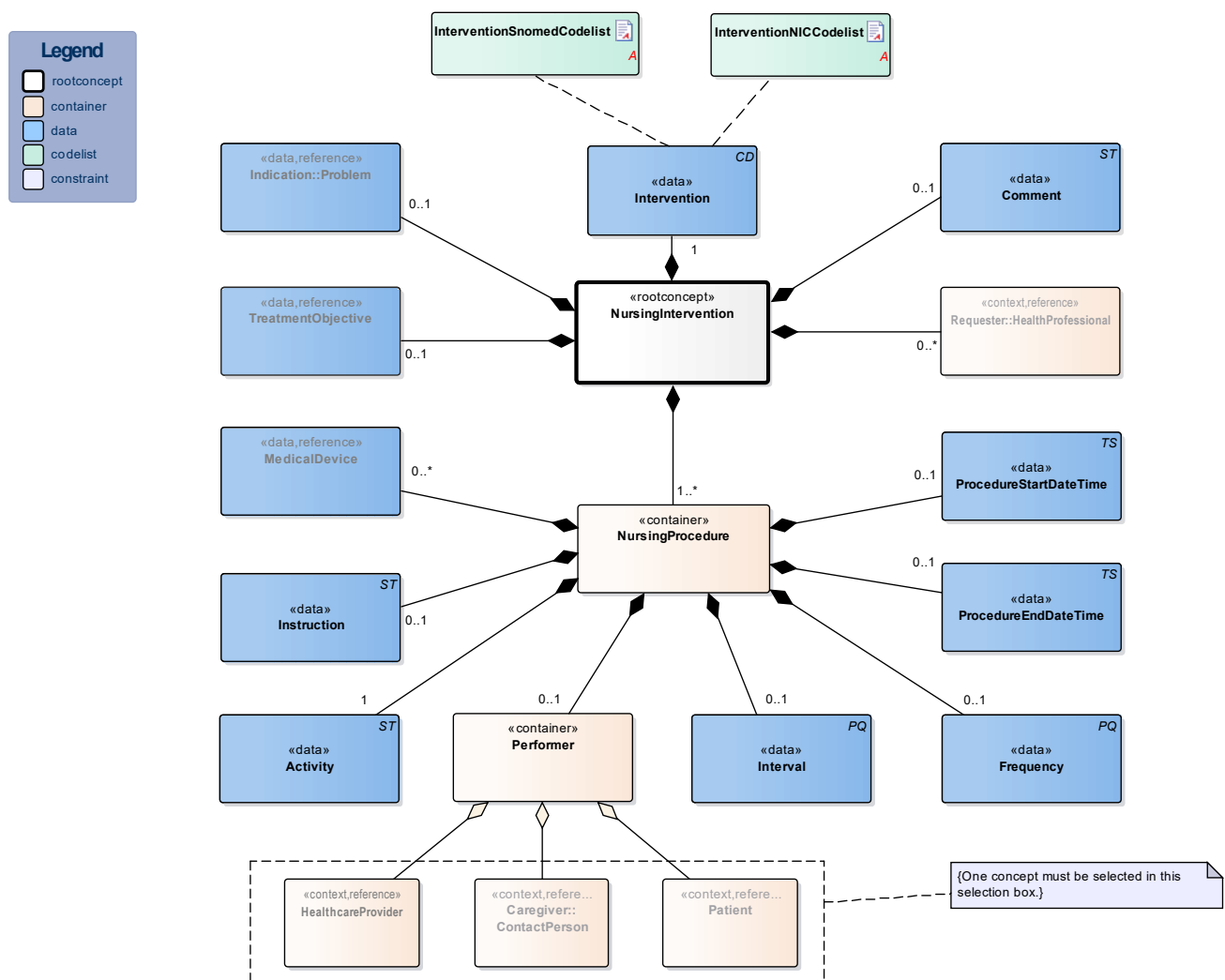
The nursing interventions are an essential part of the nursing process. A nursing intervention is recorded to document the nursing policy and to update other health professionals on the intervention. The

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



«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
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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.	
Datatype	CD	
DCM::ConceptId	NL-CM:14.2.2	
DCM::ValueSet	InterventionNICodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
DCM::ValueSet	InterventionSnomedCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4
Opties		

«data»	Indication::Problem	
Definitie	The nursing-related problem (indication) providing cause for the intervention.	
Datatype		
DCM::ConceptId	NL-CM:14.2.6	
DCM::ReferencedConceptId	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
Opties		

«data»	TreatmentObjective	
Definitie	The description of the treatment goal that the intervention decision is based on.	
Datatype		
DCM::ConceptId	NL-CM:14.2.14	
DCM::ReferencedConceptId	NL-CM:13.5.1	This is a reference to the rootconcept of information model TreatmentObjective.
Opties		

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

«data»	Interval	
Definitie	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.	
Datatype	PQ	
DCM::ConceptId	NL-CM:14.2.3	
Opties		

«data»	Frequency	
Definitie	The frequency describes how often and in which period certain procedures	

	are carried out, e.g. 3x a day.	
Datatype	PQ	
DCM::ConceptId	NL-CM:14.2.4	
Opties		

«data»	Activity	
Definitie	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.	
Datatype	ST	
DCM::ConceptId	NL-CM:14.2.10	
Opties		

«data»	ProcedureStartDateTime	
Definitie	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.	
Datatype	TS	
DCM::ConceptId	NL-CM:14.2.11	
DCM::ExampleValue	20120605	
Opties		

«data»	ProcedureEndDateTime	
Definitie	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.	
Datatype	TS	
DCM::ConceptId	NL-CM:14.2.12	
DCM::ExampleValue	20120607	
Opties		

«data»	MedicalDevice	
Definitie	Description of the materials used for the nursing procedure, such as bandages.	
Datatype		
DCM::ConceptId	NL-CM:14.2.13	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicalDevice.
Opties		

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

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

«context»	HealthcareProvider	
Definitie	The health professional carrying out the nursing procedure.	
Datatype		
DCM::ConceptId	NL-CM:14.2.7	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

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

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

«context»	Requester::HealthProfessional	
Definitie	The health professional who requested the nursing intervention. If desired, only the requester's specialty can be entered.	
Datatype		
DCM::ConceptId	NL-CM:14.2.8	
DCM::ExampleValue	0330 Neurologie	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«data»	Comment	
Definitie	Comment on the nursing intervention.	
Datatype	ST	
DCM::ConceptId	NL-CM:14.2.5	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

«document»	InterventionNICodelist	
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Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2	
Opties		
InterventieNICodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
Codes	Coding Syst. Name	Coding System OID
Alle waarden	NIC	2.16.840.1.113883.6.15

«document»	InterventionSnomedCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4	
Opties		
InterventieSnomedCodelist		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.4
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: <<71388002 procedure	SNOMED CT	2.16.840.1.113883.6.96

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]
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4. Nursing Intervention Classification (NIC) [Online] Beschikbaar op: <http://www.nursing.uiowa.edu/center-for-nursing-classification-and-clinical-effectiveness> [Geraadpleegd: 13 februari 2015]
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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 [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

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