Health & Care Information Model:

nl.nfu.NursingIntervention-v1.0

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Content

1. nl.nfu.NursingIntervention-v1.0

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	NFU & V&VN
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.nfu.VerpleegkundigeInterventie
DCM::PublicationDate	8-9-2015
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DCM::Superseeds	
DCM::Version	1.0
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

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.
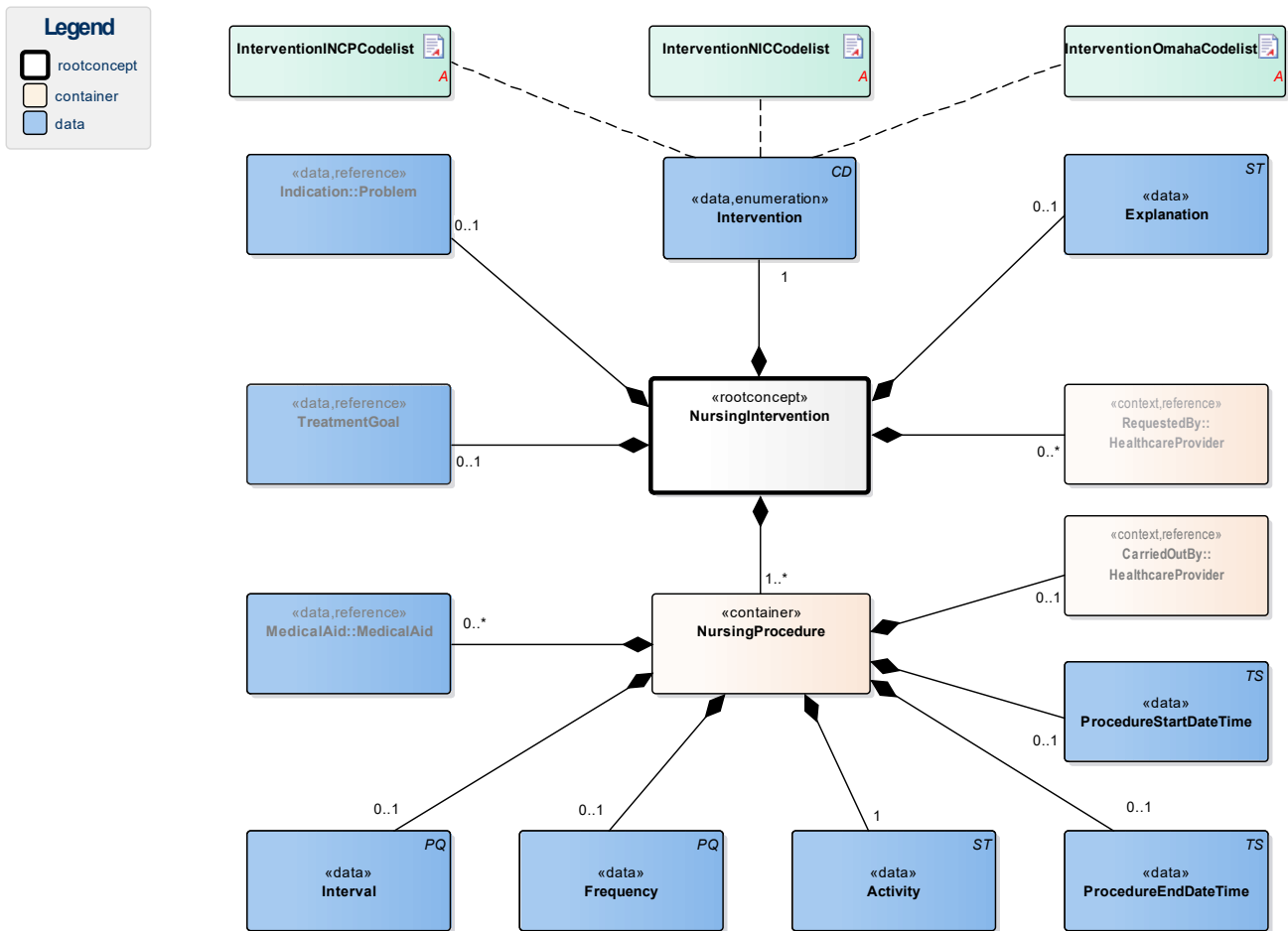
1.3 Mindmap

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 building block. This root concept contains all data elements of the NursingIntervention building block.
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 building

	block uses coded interventions.
Datatype	CD
DCM::ConceptId	NL-CM:14.2.2
DCM::ValueSet	InterventionOmahaCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3
DCM::ValueSet	InterventionNICCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2
DCM::ValueSet	InterventionINCPCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1
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:5.1.2	This is a reference to concept Probleem in information model OverdrachtConcern.
Opties		

«data»	TreatmentGoal	
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 concept Behandeldoel in information model Behandeldoel.
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»	MedicalAid::MedicalAid	
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 concept MedischHulpmiddel in information model MedischHulpmiddel.
Opties		

«context»	CarriedOutBy::HealthcareProvider	
Definitie	The healthcare provider 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 concept Zorgverlener in information model Zorgverlener.
Opties		

«context»	RequestedBy::HealthcareProvider	
Definitie	The healthcare provider 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 concept Zorgverlener in information model Zorgverlener.
Opties		

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

«document»	InterventionINCPCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.1	
Opties		

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

«document»	InterventionNICCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.2	
Opties		

InterventieNICCodelijst		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»	InterventionOmahaCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3	
Opties		

InterventieOmahaCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.2.3
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

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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:
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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

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