Health & Care Information Model: nl.zorg.Procedure-v4.2

Status:Final
Release:2018
Release status: Prepublished

Managed by:

Content

1. nl.zorg.Procedure-v4.2

DCM::CoderList	Kerngroep Registratie aan de Bron
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::CreationDate	6-6-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.14.1
DCM::KeywordList	procedure,verrichting
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Verrichting
DCM::PublicationDate	26-02-2019
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Superseeds	nl.zorg.Verrichting-v4.1
DCM::Version	4.2
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (15-02-2013)
-

Publicatieversie 1.1 (01-07-2013)
Bevat: ZIB-55, ZIB-24.

Publicatieversie 1.2 (01-04-2015)
Bevat: ZIB-84, ZIB-93, ZIB-95, ZIB-122, ZIB-270, ZIB-271, ZIB-272, ZIB-273, ZIB-308, ZIB-325, ZIB-353.

Incl. algemene wijzigingsverzoeken:
ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 3.0 (01-05-2016)
Bevat: ZIB-401, ZIB-453.

Publicatieversie 3.1 (04-09-2017)
Bevat: ZIB-475, ZIB-549, ZIB-564, ZIB-576, ZIB-578

Publicatieversie 4.0 (04-09-2017)
Bevat: ZIB-457, ZIB-458, ZIB-515, ZIB-518, ZIB-549, ZIB-564, ZIB-574, ZIB-576, ZIB-578, ZIB-581, ZIB-585.

Publicatieversie 4.1 (31-12-2017)
Bevat: ZIB-646.

Publicatieversie 4.2 (26-02-2019)

Bevat: ZIB-624, ZIB-633, ZIB-625, ZIB-675.

1.2 Concept

The concept Procedure indicates a therapeutic or diagnostic procedure undergone by the patient.
A procedure can be a simple blood pressure measurement, but also a complex heart surgery.
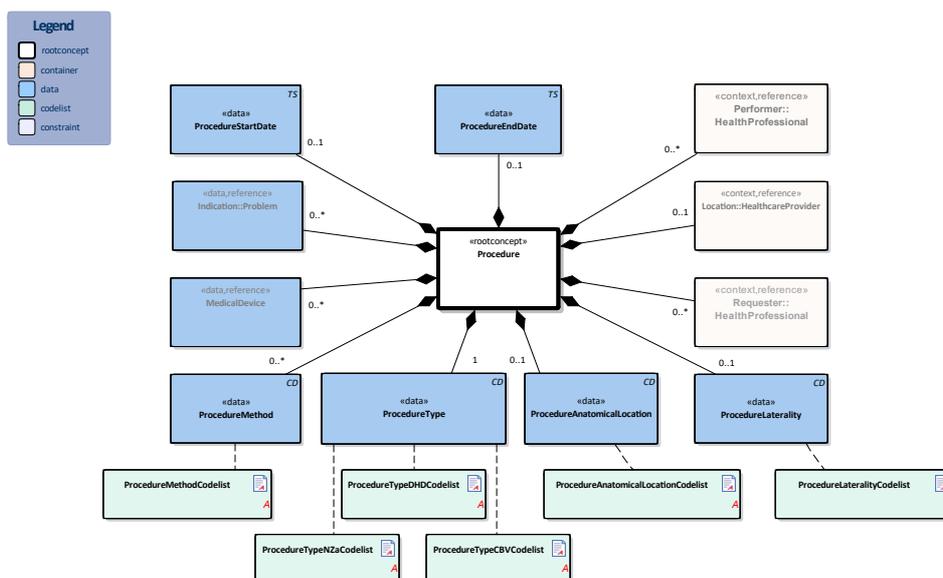
1.3 Mindmap

1.4 Purpose

A procedure is carried out as part of a planned policy or to obtain additional information in the diagnostic process. Procedures are documented to gain insight into the treatment of a patient. In addition, procedures are documented for administrative purposes such as invoicing and workload measurement, scientific research and/or education.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model

«rootconcept»	Procedure	
Definitie	Root concept of the Procedure information model. This root concept contains all data elements of the Procedure information model.	
Datatype		
DCM::ConceptId	NL-CM:14.1.1	
DCM::DefinitionCode	SNOMED CT: 71388002 Verrichting	
Opties		

«data»	ProcedureStartDate

Definitie	The start date (and if possible start time) of the procedure. A 'vague' date, such as only the year, is permitted. The element offers the option to indicate the start of the period of a series of related procedures.	
Datatype	TS	
DCM::ConceptId	NL-CM:14.1.2	
DCM::ExampleValue	06-05-2012	
Opties		

«data»	ProcedureEndDate	
Definitie	The end date (and if possible end time) of the procedure. A 'vague' date, such as only the year, is permitted. The element offers the option to indicate the end of the period of a series of related procedures.	
Datatype	TS	
DCM::ConceptId	NL-CM:14.1.3	
DCM::ExampleValue	07-06-2012	
Opties		

«data»	ProcedureAnatomicalLocation	
Definitie	Anatomical location which is the focus of the procedure.	
Datatype	CD	
DCM::ConceptId	NL-CM:14.1.8	
DCM::DefinitionCode	SNOMED CT: 405813007 Procedure site - Direct	
DCM::ExampleValue	Been	
DCM::ValueSet	ProcedureAnatomicalLocatio nCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.1
Opties		

«data»	ProcedureLaterality	
Definitie	Laterality adds information about body side to the anatomic location, *e.g.* left	
Datatype	CD	
DCM::ConceptId	NL-CM:14.1.11	
DCM::DefinitionCode	SNOMED CT: 272741003 Laterality	
DCM::ExampleValue	Rechts	
DCM::ValueSet	ProcedureLateralityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.3
Opties		

«data»	Indication::Problem	
Definitie	The indication is the reason for the procedure.	
Datatype		
DCM::ConceptId	NL-CM:14.1.9	
DCM::DefinitionCode	SNOMED CT: 363702006 Has focus	
DCM::ReferencedConceptId	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
Opties		

«data»	ProcedureType	
Definitie	The name of the procedure.	

	As of 1 January 2013, all procedures in the primary process have to be documented with CBV codes. To meet this requirement, the DHD procedure thesaurus (CBV procedures set) is used to code procedures. It is possible that in addition to the CBV procedures set, the NIC will be used for nurse procedures and that a "coded value set" will be introduced for paramedic procedures.
Datatype	CD
DCM::ConceptId	NL-CM:14.1.4
DCM::ExampleValue	Knie - prothese implantatie gewricht
DCM::ValueSet	ProcedureTypeDHDCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.2
DCM::ValueSet	ProcedureTypeNZaCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.5
DCM::ValueSet	ProcedureTypeCBVCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.6
Opties	

«data»	ProcedureMethod	
Definitie	the method or technique that was used to perform the procedure, *e.g.* approach, lavage, pressuring, ets	
Datatype	CD	
DCM::ConceptId	NL-CM:14.1.12	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.4
DCM::DefinitionCode	SNOMED CT: 260686004 Method	
DCM::ValueSet	ProcedureMethodCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.4
Opties		

«data»	MedicalDevice	
Definitie	The product, the placing of which in or on the body is the purpose of the procedure, for example placing an implant.	
Datatype		
DCM::ConceptId	NL-CM:14.1.7	
DCM::DefinitionCode	SNOMED CT: 405815000 Procedure device	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicalDevice.
Opties		

«context»	Location::HealthcareProvider	
Definitie	The healthcare center where the procedure was or is carried out.	
Datatype		
DCM::ConceptId	NL-CM:14.1.5	
DCM::ReferencedConceptId	NL-CM:17.2.1	This is a reference to the rootconcept of information model HeathcareProvider.
Opties		

«context»	Performer::HealthProfessional	
Definitie	The healthcare provider who carried out the procedure. In most cases, only the medical specialty is entered, and not the name of the healthcare provider.	
Datatype		
DCM::ConceptId	NL-CM:14.1.6	

DCM::ExampleValue	Orthopedie	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«context»	Requester::HealthProfessional	
Definitie	The healthcare provider who requested the procedure.	
Datatype		
DCM::ConceptId	NL-CM:14.1.10	
DCM::ExampleValue	Neurologie	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«document»	ProcedureAnatomicalLocationCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.1	
Opties		

VerrichtingAnatomischeLocatieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.1
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: < 442083009 |Anatomical or acquired body structure|	SNOMED CT	2.16.840.1.113883.6.96

«document»	ProcedureLateralityCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.3	
Opties		

VerrichtingLateraliteitCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.3		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Left	7771000	SNOMED CT	2.16.840.1.113883.6.96	Links
Right	24028007	SNOMED CT	2.16.840.1.113883.6.96	Rechts
Right and left	51440002	SNOMED CT	2.16.840.1.113883.6.96	Rechts en links

«document»	ProcedureMethodCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.4	
Opties		

VerrichtingMethodeCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.4
Codes	Coding Syst. Name	Coding System OID

SNOMED CT: < 129264002 |Action (qualifier value)|	SNOMED CT	2.16.840.1.113883.6.96

«document»	ProcedureTypeDHDCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.2	
Opties		

VerrichtingTypeDHDCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.2	
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: ^tbd | RefSet Verrichtingenthesaurus DHD	SNOMED CT	2.16.840.1.113883.6.96

«document»	ProcedureTypeCBVCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Preferred	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.6	
Opties		

VerrichtingTypeCBVCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.6	
Codes	Coding Syst. Name	Coding System OID
Alle waarden	CBV	??

«document»	ProcedureTypeNZaCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Preferred	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.5	
Opties		

VerrichtingTypeNZaCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.5	
Codes	Coding Syst. Name	Coding System OID
Alle waarden	NZa	??

	Legend
Definitie	
Datatype	
Opties	

1.8   Example Instances

Verrichting Type	Verrichting Anatomische Locatie	Verrichting Lateraliteit	Verrichting Start Datum	Product			Indicatie		Uitgevoerd Door	Locatie
				ProductType	ProductID		Probleem Naam	Toelichting	Specialisme	Organisatie Naam
Knie - prothese implantatie gewricht	Knie	Links	05-06-2012	Orthopedic surgical implants	(01)050504 74530799 (17)160131 (21)114813 0801	Implantant, Gen 2 Tibia Insert 5/6-9mm	Artrose	Beperking bij het bewegen van het gewricht, drukpijn door slijtage van twee compartimenten van de linker knie.	Orthopedie	UMCG

1.9   Instructions

We allow multiple, current code systems (SNOMED, NZa and CBV) with the preference of using SNOMED (using DHD-Verrichtingenthesaurus) as soon as available.

Only the procedures are described in this information model, not the results of the procedures. The LaboratoryResult and TextResult information models can be used to document the results.

1.10   Interpretation

1.11   Care Process

1.12   Example of the Instrument

1.13   Constraints

1.14   Issues

1.15   References

1. GS1 Global Traceability Standard for Healthcare 1.2.0 (2013) [Online] Beschikbaar op: http://www.gs1.org/traceability/healthcare-traceability/1-2-0 [Geraadpleegd: 19 juni 2014].

2. Vektis Zorgverlenersspecificatie (subberoepsgroep) [Online] Beschikbaar op: http://ei.vektis.nl/WespCodelijstenDetail.aspx?Co_Ge_Code=COD016&Co_Or_Code=VEKT [Geraadpleegd: 19 juni 2014].

3. AZR-AGB-codelijst [Online] Beschikbaar op: http://www.agbcode.nl/MainPage/opzoeken.aspx?soort=IS [Geraadpleegd: 19 juni 2014].

1.16   Functional Model

1.17   Traceability to other Standards

1.18   Disclaimer

The Health and Care Information Models (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 the Health and Care Information Models. 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 a 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.

1.19 Terms of Use

The user may use the Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

1.20 Copyrights

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Modesl and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NCSA-3.0).

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (see also http://creativecommons.org/licenses/by-nc-sa/3.0/nl/)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.