

# **Health & Care Information Model:**

**nl.zorg.Procedure-v5.4.1**

Status: Final

Release status: Prepublished

# Content

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# 1. nl.zorg.Procedure-v5.4.1

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	15-10-2023
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DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	01-09-2023
DCM::Supersedes	nl.zorg.Verrichting-v5.4
DCM::Version	5.4.1
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.

Publicatieversie 5.0 (06-07-2019)

Bevat: ZIB-821.

Publicatieversie 5.1 (31-01-2020)

Bevat: ZIB-954, ZIB-908.

Publicatieversie 5.2 (01-09-2020)

Bevat: ZIB-666, ZIB-993, ZIB-1087, ZIB-1088, ZIB-1095, ZIB-1116.

Publicatieversie 5.3 (01-12-2021)

Bevat: ZIB-977, ZIB-1444.

Publicatieversie 5.4 (10-06-2022)

Bevat: ZIB-1488, ZIB-1602.

Publicatieversie 5.4.1 (15-10-2023)

Bevat: ZIB-1785, ZIB-1974.

## **1.2 Concept**

The concept Procedure describes therapeutic or diagnostic procedure undergone by the patient or which the patient will undergo. The concept can describe in the right context historical, future as well as advised procedures.

A procedure can be a simple blood pressure measurement, but also a complex heart surgery.

In some care settings, the term treatment is used instead of the term procedure.

## **1.3 Mindmap**

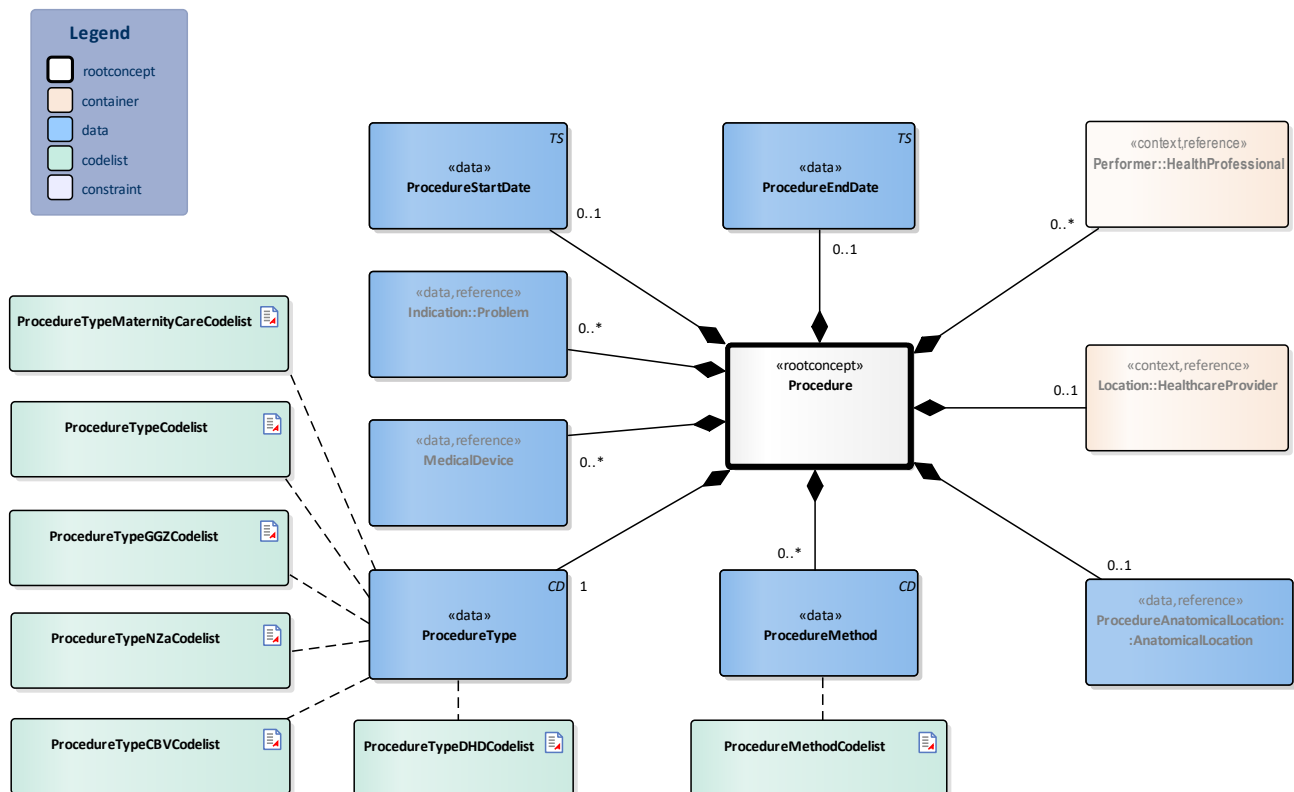
## **1.4 Purpose**

A procedure is carried out or planned 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 (desired) 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. The end date element is only used for a procedures that takes some time and is then always applied. If the procedure still continues, the value is left empty. For instantaneous or very short lasting procedures the element is omitted.	
Datatype	TS	
DCM::ConceptId	NL-CM:14.1.3	
DCM::ExampleValue	07-06-2012	
Opties		

«data»	ProcedureType	
Definitie	The name of the procedure. Choices are the DHD procedure thesaurus, the procedures file (CBV), the Care activities file (NZa), the Dutch Mental Health and Addiction Care procedures list (GGZ) and the procedures list of the Dutch College of General Practitioners (NHG).	
Datatype	CD	
DCM::ConceptId	NL-CM:14.1.4	
DCM::ExampleValue	Knie - prothese implantatie gewricht	
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
DCM::ValueSet	ProcedureTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.8
DCM::ValueSet	ProcedureTypeDHDcodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.2
DCM::ValueSet	ProcedureTypeGGZCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.7
DCM::ValueSet	ProcedureTypeMaternityCareCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.9
Opties		

«data»	ProcedureMethod	
Definitie	The method or technique that is going to be or was used to perform the procedure, e.g. approach, lavage, pressuring, etc.	
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»	ProcedureAnatomicalLocation::AnatomicalLocation	
Definitie	Anatomical location that is the focus of the procedure.	
Datatype		
DCM::ConceptId	NL-CM:14.1.13	
DCM::DefinitionCode	SNOMED CT: 405813007 Procedure site - Direct	
DCM::ReferencedConceptId	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicalLocation.
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»	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 provider where the procedure was, is or will be 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 HealthcareProvider.
Opties		

«context»	Performer::HealthProfessional	
Definitie	The healthcare professional who carried out or will carry out the procedure. In most cases, only the medical specialty is entered, and not the name of the healthcare professional.	
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		

«document»	ProcedureTypeMaternityCareCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.14.1.9	
HCIM::ValueSetLanguage	--	
Opties		
VerrichtingTypeGeboortezorgCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.9
Codes	Coding Syst. Name	Coding System OID
SNOMED CT: ^146481000146103   Dutch obstetric procedures simple reference set	SNOMED CT	2.16.840.1.113883.6.96

«document»	ProcedureMethodCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.14.1.4	
HCIM::ValueSetLanguage	--	
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	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.14.1.2		
HCIM::ValueSetLanguage	--		
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	
Alle waarden	DHD Verrichtingenthesaurus	2.16.840.1.113883.2.4.3.120.5.2	

«document»		ProcedureTypeCBVCodeList	
Definitie			
Datatype			
DCM::ValueSetBinding	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.14.1.6		
HCIM::ValueSetLanguage	--		
Opties			
VerrichtingTypeCBVCodeList		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 codes	2.16.840.1.113883.2.4.3.120.5.3	

«document»	ProcedureTypeNZaCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Required		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.14.1.5		
HCIM::ValueSetLanguage	--		
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 codes	2.16.840.1.113883.2.4.3.27.15.5	



«document» ProcedureTypeGGZCodelist		
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.7	
HCIM::ValueSetLanguage	--	
Opties		
VerrichtingTypeGGZCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.7
Codes	Coding Syst. Name	Coding System OID
Alle waarden	GGZ Verrichtingenlijst	2.16.840.1.113883.3.3210.14.2.2.15

«document» ProcedureTypeCodelist		
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.14.1.8	
HCIM::ValueSetLanguage	--	
Opties		
VerrichtingTypeNHGCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.8
Codes	Coding Syst. Name	Coding System OID
Alle waarden	NHG tabel 49 Ingrepen en behandelingen	2.16.840.1.113883.2.4.4.30.49

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)05050474530799(17)160131(21)1148130801	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

## **1.10 Interpretation**

## **1.11 Care Process**

## **1.12 Example of the Instrument**

## **1.13 Constraints**

## **1.14 Issues**

## **1.15 References**

1. Waardelijst GGZ-Verrichtingen [Online] Beschikbaar op: <http://https://www.vippggz.nl/waardelijst-ggz-verrichtingen.html> [Geraadpleegd: 03-08-2020].

## **1.16 Functional Model**

## **1.17 Traceability to other Standards**

## **1.18 Disclaimer**

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