

Health & Care Information Model:

nl.zorg.Procedure-v5.2

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Content

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1. nl.zorg.Procedure-v5.2

| | |
|---------------------------------|--|
| 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 | 01-09-2020 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate | 16-07-2020 |
| DCM::Supersedes | nl.zorg.Verrichting-v5.1 |
| DCM::Version | 5.2 |
| 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.

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.

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

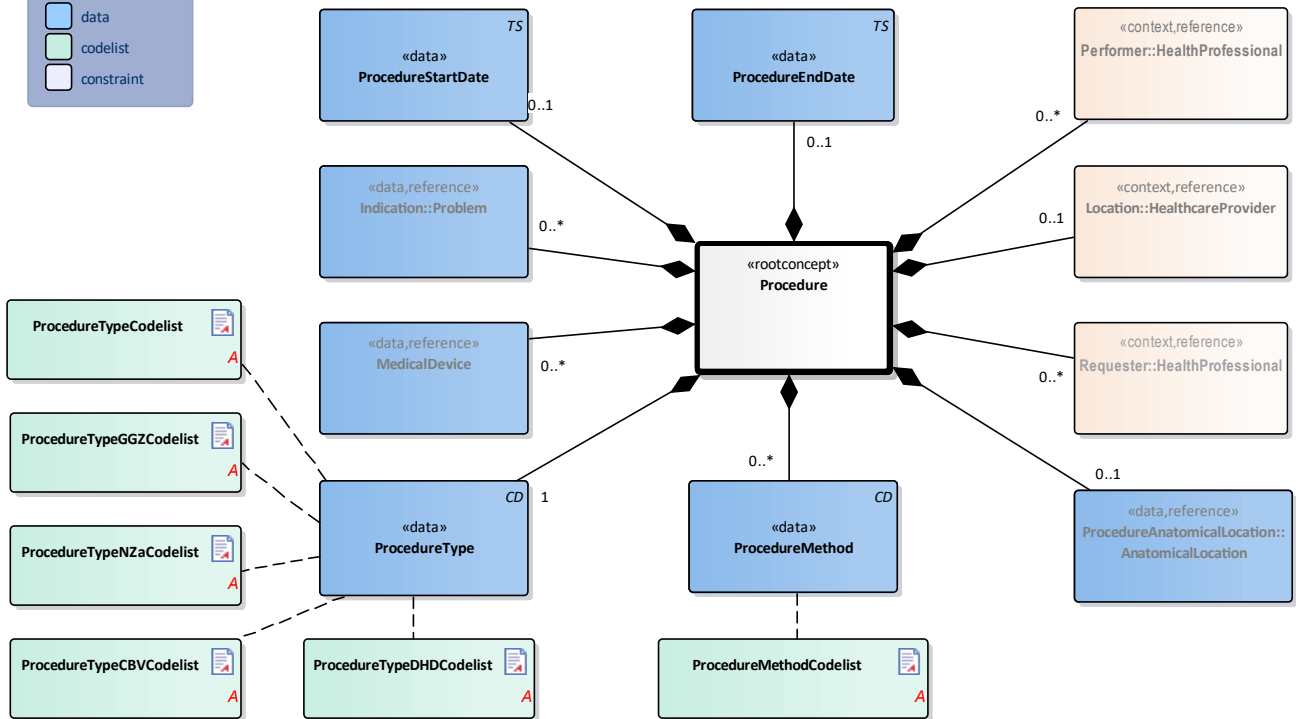
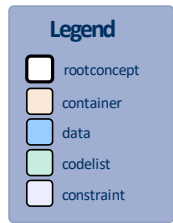
1.4 Purpose

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 | ProcedureTypeCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.8 |
| DCM::ValueSet | ProcedureTypeGGZCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.7 |
| 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, <i>e.g.</i> 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» | ProcedureAnatomicalLocation::AnatomicalLocation | |
|--------------------------|--|---|
| Definitie | Anatomical location which 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 center where the procedure was, is or 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 provider 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 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» | ProcedureMethodCodelist | |
|----------------------|---|--|
| Definitie | | |
| Datatype | | |
| DCM::ValueSetBinding | Required | |
| 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 | Required | | |
| 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 | |
| Alle waarden | DHD Verrichtingenthesaurus | 2.16.840.1.113883.2.4.3.120.5.2 | |

| «document» | | ProcedureTypeCBVCodelist | |
|------------------------------------|---|---|--|
| Definitie | | | |
| Datatype | | | |
| DCM::ValueSetBinding | Required | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.6 | | |
| 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 codes | 2.16.840.1.113883.2.4.3.120.5.3 | |

| «document» | | ProcedureTypeNZaCodelist | |
|------------------------------------|---|---|--|
| Definitie | | | |
| Datatype | | | |
| DCM::ValueSetBinding | Required | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.14.1.5 | | |
| 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 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 | | |
| 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 Verrichtingenijst | 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 | |
| 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 | | |
| 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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Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl



