

Health & Care Information Model:

nl.zorg.Condition-v1.1

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

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1. nl.zorg.Condition-v1.1

| | |
|---------------------------------|--|
| DCM::CoderList | Zib-centrum |
| DCM::ContactInformation.Address | * |
| DCM::ContactInformation.Name | * |
| DCM::ContactInformation.Telecom | * |
| DCM::ContentAuthorList | Zib-centrum |
| DCM::CreationDate | 26-04-2023 |
| DCM::DeprecatedDate | |
| DCM::DescriptionLanguage | nl |
| DCM::EndorsingAuthority.Address | |
| DCM::EndorsingAuthority.Name | * |
| DCM::EndorsingAuthority.Telecom | |
| DCM::Id | 2.16.840.1.113883.2.4.3.11.60.40.3.5.4 |
| DCM::KeywordList | |
| DCM::LifecycleStatus | Final |
| DCM::ModelerList | * |
| DCM::Name | nl.zorg.AandoeningOfGesteldheid |
| DCM::PublicationDate | 23-04-2025 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Zib-centrum |
| DCM::RevisionDate | 03-04-2025 |
| DCM::Supersedes | nl.zorg.AandoeningOfGesteldheid-v1.0 |
| DCM::Version | 1.1 |
| HCIM::PublicationLanguage | EN |

1.1 Revision History

Publicatieversie 1.0 (15-04-2024)

Bevat: ZIB-1146, ZIB-1295, ZIB-1370, ZIB-1394, ZIB-2170.

Publicatieversie 1.1 (23-04-2025)

Bevat: ZIB-2645, ZIB-2677, ZIB-2693.

1.2 Concept

A condition is pathological or non-pathological state of the patient that generally presents with symptoms. It is 'that what the patient has'. A care professional can assign a (differential) diagnosis to the condition. The symptoms as well as the diagnosis with respect to the same condition may change over time.

1.3 Mindmap

1.4 Purpose

A separate representation of condition and the diagnosis makes it possible to describe these separately. This makes it clear on one hand what the status of the condition is and on the other hand how the care provider names this condition. Explicit representation of data relating to the condition helps evaluate the effect of the care provided and determine the treatment plan / follow-up.

1.5 Patient Population

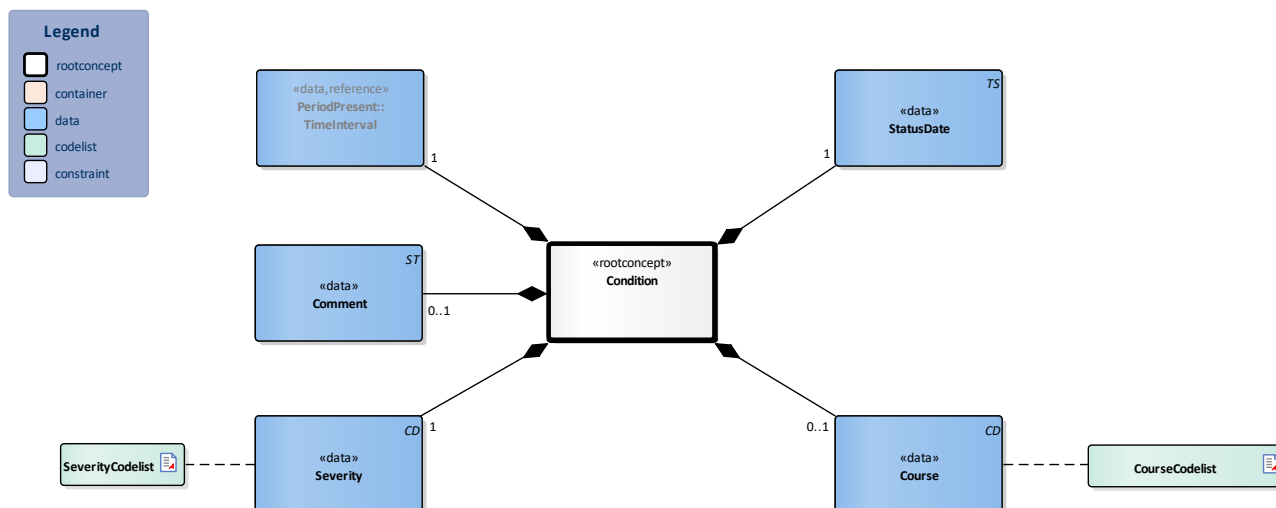
The entire patient population.

1.6 Evidence Base

Condition and diagnosis are two different concepts: a condition can exist without a diagnosis and the condition has characteristics that are independent of the diagnosis. Therefore, a condition on the one hand and diagnoses on the other hand are represented by separate zibs. Diagnoses are represented by three zibs: DiagnosticInsight, Hypersensitivity, and Reaction, each with a reference to the zib Condition.

The severity and course of a condition are interpretations made by a healthcare provider, but they are independent of what the patient has. They provide information about the status of the condition.

1.7 Information Model



| «rootconcept» | Condition | |
|---------------------|--|--|
| Definitie | This is a reference to the root concept of information model Condition. This root concept contains all data elements of the information model Condition. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:5.4.1 | |
| DCM::DefinitionCode | SNOMED CT: 64572001 aandoening | |
| Opties | | |

| «data» | PeriodPresent::TimeInterval | |
|--------------------------|---|---|
| Definitie | The period in which the condition is (was) present. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:5.4.8 | |
| DCM::ReferencedConceptId | NL-CM:20.3.1 | This is a reference to the rootconcept of information model TimeInterval. |
| Opties | | |

| «data» | StatusDate | |
|---------------------|--|--|
| Definitie | The moment from when the data regarding the condition apply. It may be a vague moment. | |
| Datatype | TS | |
| DCM::ConceptId | NL-CM:5.4.3 | |
| DCM::DefinitionCode | SNOMED CT: 350351000146106 datum waarop gezondheidsstatus is gewijzigd | |
| Opties | | |

| «data» | Course | |
|----------------|---|--|
| Definitie | The course of the condition. This is independent of the diagnostic insight for the condition. The course indicates how the condition is developing: such as stable, progression, remission, etc.. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:5.4.5 | |
| DCM::ValueSet | CourseCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.1 |
| Opties | | |

| «data» | Severity | |
|---------------------|---|--|
| Definitie | Indication of the severity of the condition. A condition may cause few or mild symptoms and yet be serious, but the reverse is also possible. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:5.4.6 | |
| DCM::DefinitionCode | SNOMED CT: 246112005 ernst | |
| DCM::ValueSet | SeverityCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3 |
| Opties | | |

| «data» | Comment | |
|---------------------|--|--|
| Definitie | A comment in free text with respect to the condition, that is not represented by the other data elements in the information model. | |
| Datatype | ST | |
| DCM::ConceptId | NL-CM:5.4.7 | |
| DCM::DefinitionCode | LOINC: 48767-8 Annotation comment | |
| Opties | | |

| «document» | CourseCodelist | | | | |
|----------------------------|--|-------------------|---|-----------------------------|--|
| Definitie | | | | | |
| Datatype | | | | | |
| DCM::ValueSetBinding | Extensible | | | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.1 | | | | |
| DCM::ValueSetIncludeOTH | True | | | | |
| DCM::ValueSetStatus | Active | | | | |
| HCIM::ValueSetLanguage | -- | | | | |
| Opties | | | | | |
| BeloopCodelijst | | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.1 | | |
| Concept Name | Concept Code | Coding Syst. Name | Coding System OID | Description | |
| Asymptomatisch | 67335000 | SNOMED CT | 2.16.840.1.113883.6.96 | Asymptomatisch | |
| Verbeterd | 385425000 | SNOMED CT | 2.16.840.1.113883.6.96 | Verbeterd | |
| Verslechterd | 231877006 | SNOMED CT | 2.16.840.1.113883.6.96 | Verslechterd | |
| Ongewijzigd | 260388006 | SNOMED CT | 2.16.840.1.113883.6.96 | Onveranderd | |
| Progressief | 255314001 | SNOMED CT | 2.16.840.1.113883.6.96 | Progressief [DEPRECATED] | |
| Episode van verslechtering | 303359000 | SNOMED CT | 2.16.840.1.113883.6.96 | Opvlammend | |
| Niet meer aanwezig | 350361000146109 | SNOMED CT | 2.16.840.1.113883.6.96 | Niet meer aanwezig | |

| «document» | SeverityCodelist | | | |
|--------------------------|--|-------------------|---|-------------------|
| Definitie | | | | |
| Datatype | | | | |
| DCM::ValueSetBinding | Required | | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3 | | | |
| DCM::ValueSetIncludeOTH | False | | | |
| DCM::ValueSetStatus | Active | | | |
| HCIM::ValueSetLanguage | -- | | | |
| Opties | | | | |
| ErnstCodelijst | | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.5.4.3 | |
| Concept Name | Concept Code | Coding Syst. Name | Coding System OID | Description |
| Mild | 255604002 | SNOMED CT | 2.16.840.1.113883.6.96 | Mild |
| Mild to moderate | 371923003 | SNOMED CT | 2.16.840.1.113883.6.96 | Mild tot matig |
| Moderate | 6736007 | SNOMED CT | 2.16.840.1.113883.6.96 | Matig |
| Moderate to severe | 371924009 | SNOMED CT | 2.16.840.1.113883.6.96 | Matig tot ernstig |
| Severe | 24484000 | SNOMED CT | 2.16.840.1.113883.6.96 | Ernstig |
| Lifethreatening severity | 442452003 | SNOMED CT | 2.16.840.1.113883.6.96 | Levensbedreigend |
| Fatal | 399166001 | SNOMED CT | 2.16.840.1.113883.6.96 | Fataal |

| | Legend |
|-----------|--------|
| Definitie | |
| Datatype | |
| | |
| Opties | |

1.8 Example Instances

Een aandoening of gesteldheid staat nooit op zichzelf. Er zal altijd een diagnose of ≥ 1 symptoom zijn dat op de aandoening of gesteldheid betrekking heeft. Ter illustratie zijn hier daarom de namen van symptomen en een diagnose toegevoegd die naar de aandoening zouden kunnen verwijzen.

| AandoeningOfGesteldheid | | | |
|-------------------------|------------|----------------|----------------|
| PeriodeAanwezig | | | |
| StartDatumTijd | 22-02-2023 | 22-02-2023 | 22-02-2023 |
| EindDatumTijd | | | |
| StatusDatum | 01-03-2023 | 05-03-2023 | 20-03-2023 |
| Beloop | | Verslechterd | Verbeterd |
| Ernst | Mild | Matig | Mild |
| Toelichting | | | |
| | | | |
| SymptoomNaam | Hoest | Hoest, Koorts | Hoest |
| DiagnoseNaam | Bronchitis | Longontsteking | Longontsteking |

| AandoeningOfGesteldheid | | | |
|-------------------------|---------------------------------|----------------|--------------------|
| PeriodeAanwezig | | | |
| StartDatumTijd | 15-01-2023 | 15-01-2023 | 15-01-2023 |
| EindDatumTijd | | | 08-05-2023 |
| StatusDatum | 15-01-2023 | 26-02-2023 | 08-05-2023 |
| Beloop | | Herstellend | Niet meer aanwezig |
| | | | |
| SymptoomNaam | Pijn, zwelling, standsafwijking | Stijfheid | |
| DiagnoseNaam | Radiusfractuur | Radiusfractuur | Radiusfractuur |

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

1.16 Functional Model

1.17 Traceability to other Standards

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