# Health & Care Information Model:

# nl.zorg.process.CollectionData-v1.0.1

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# Content

# 1. nl.zorg.process.CollectionData-v1.0.1

| | |
|---|---|
| DCM::CoderList | Zib-centrum |
| DCM::ContactInformation.Address | * |
| DCM::ContactInformation.Name | * |
| DCM::ContactInformation.Telecom | * |
| DCM::ContentAuthorList | Zib-centrum |
| DCM::CreationDate | 22-03-2024 |
| DCM::DeprecatedDate | |
| DCM::DescriptionLanguage | nl |
| DCM::EndorsingAuthority.Address | |
| DCM::EndorsingAuthority.Name | * |
| DCM::EndorsingAuthority.Telecom | |
| DCM::Id | 2.16.840.1.113883.2.4.3.11.60.40.3.22.3 |
| DCM::KeywordList | |
| DCM::LifecycleStatus | Final |
| DCM::ModelerList | * |
| DCM::Name | nl.zorg.process.AfnameGegevens |
| DCM::PublicationDate | 25-04-2025 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Zib-centrum |
| DCM::RevisionDate | 04-04-2025 |
| DCM::Supersedes | nl.zorg.process.AfnameGegevens-v1.0 |
| DCM::Version | 1.0.1 |
| HCIM::PublicationLanguage | EN |

## 1.1 Revision History

Publicatieversie 1.0 (15-04-2024)
Bevat: ZIB-2191, ZIB-2192, ZIB-2193, ZIB-2195, ZIB-2196, ZIB-2197.

Publicatieversie 1.0.1 (24-04-2025)
Bevat: ZIB-2694.

## 1.2 Concept

Data recorded about the collection of a sample. If the collection was performed by the patient himself then this may include data during the submission of the sample. Data recorded at the time of collection that provide context to the material collected, such as whether or not the patient was sober, may also be recorded.

## 1.3 Mindmap

## 1.4 Purpose

To record the relevant details about the collection or acceptance of a sample from a patient.
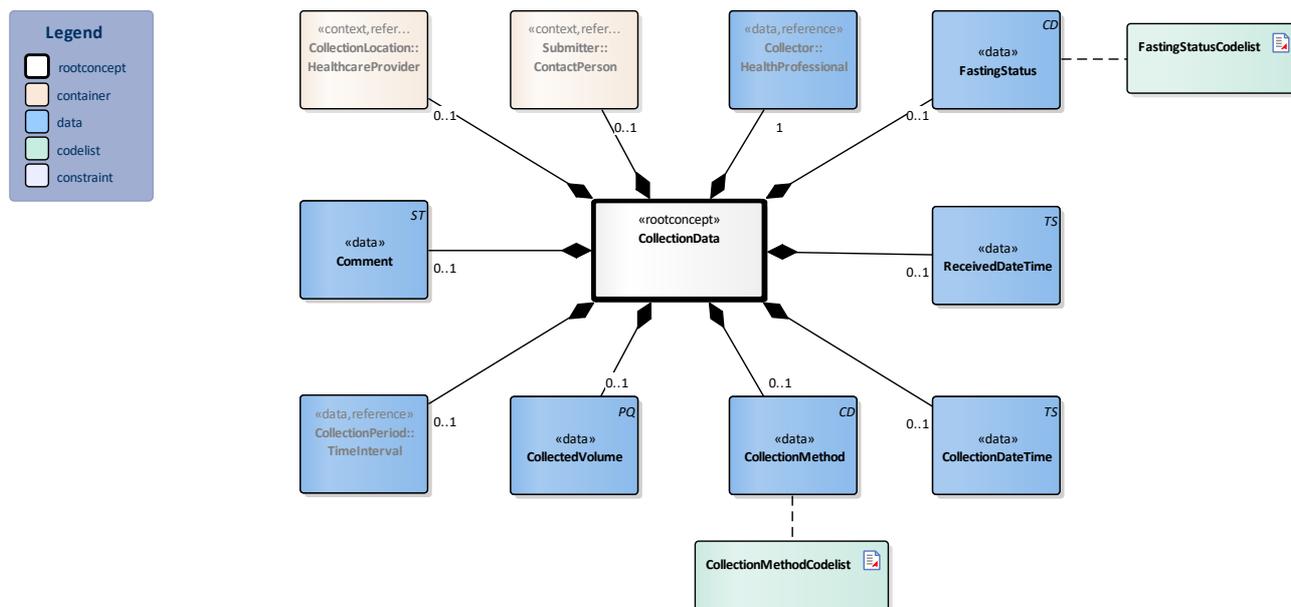
## 1.5 Patient Population

## 1.6 Evidence Base

Recording of collection data occurs when a sample is collected. This sample can be the basis for a laboratory study. Sample is currently only modeled within the LaboratoryTestResult zib. However, it is recognized that

there are use cases in which Sample could be an independent building block and it is expected that this will be realized in one of the next zib publications.

## 1.7 Information Model



| «rootconcept» | CollectionData |
|---|---|
| Definitie | This is a reference to the rootconcept of information model CollectionData. |
| Datatype | |
| DCM::ConceptId | NL-CM:22.3.1 |
| Opties | |

| «data» | CollectionDateTime | |
|---|---|---|
| Definitie | Date and time at which the material was collected. | |
| Datatype | TS | |
| DCM::ConceptId | NL-CM:22.3.2 | |
| DCM::DefinitionCode | SNOMED CT: 399445004 Specimen collection date | |
| Opties | | |

| «data» | ReceivedDateTime | |
|---|---|---|
| Definitie | Date and time that the material is handed over at the laboratory or specimen collection center. This is the case with material that is collected by the patient himself. | |
| Datatype | TS | |
| DCM::ConceptId | NL-CM:22.3.3 | |
| Opties | | |

| «data» | CollectionPeriod::TimeInterval | |
|---|---|---|
| Definitie | If the material has not been collected at a single point in time but over a certain period, this period can be captured in this concept. An example is 24 hour urine. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:22.3.4 | |
| DCM::ReferencedConceptId | NL-CM:20.3.1 | This is a reference to the rootconcept of information model TimeInterval. |
| Opties | | |

| «data» | Collector::HealthProfessional | |
|---|---|---|
| Definitie | Health professional that collected the material from the patient. This can also be the health professional who reviews the material after the patient or contact person submits the material. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:22.3.5 | |
| DCM::ReferencedConceptId | NL-CM:17.1.1 | This is a reference to the rootconcept of information model HealthProfessional. |
| Opties | | |

| «data» | CollectionMethod | |
|---|---|---|
| Definitie | If relevant for the results, the method of obtaining the specimen can be entered. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:22.3.6 | |
| DCM::DefinitionCode | SNOMED CT: 118171006 Afnamemethode | |
| DCM::ValueSet | CollectionMethodCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.1 |
| Opties | | |

| «context» | CollectionLocation::HealthcareProvider | |
|---|---|---|
| Definitie | Location where the material was taken from the patient or location where the material was accepted after the patient or contact person submits the material. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:22.3.7 | |
| DCM::ReferencedConceptId | NL-CM:17.2.1 | This is a reference to the rootconcept of information model HealthcareProvider. |
| Opties | | |

| «context» | Submitter::ContactPerson | |
|---|---|---|
| Definitie | Person not being the patient who hands in the material. When the patient is the submitter then this is not recorded. This is recorded primarily for legal reasons. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:22.3.8 | |
| DCM::ReferencedConceptId | NL-CM:3.1.1 | This is a reference to the rootconcept of information model ContactPerson. |
| Opties | | |

| «data» | CollectedVolume | |
|---|---|---|
| Definitie | Total volume of the collected material. If it is necessary to determine the absolute amount of a particular substance in the collected material, the volume thereof must be given. | |
| Datatype | PQ | |
| DCM::ConceptId | NL-CM:22.3.9 | |
| Opties | | |

| «data» | FastingStatus | |
|---|---|---|
| Definitie | Status regarding the fasting. Has the patient not eaten and/or drunk as was agreed upon prior to the collection of the material. For some tests, it is important for the patient to be fasting. | |
| Datatype | CD | |

| DCM::ConceptId | NL-CM:22.3.10 | |
|---|---|---|
| DCM::DefinitionCode | LOINC: 49541-6 Vasten status [aanwezigheid] in ^patiënt | |
| DCM::ValueSet | FastingStatusCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.2 |
| Opties | | |

| «data» | Comment | |
|---|---|---|
| Definitie | Additional information that is important in the context of the collection and which cannot be described in any of the other elements. | |
| Datatype | ST | |
| DCM::ConceptId | NL-CM:22.3.11 | |
| Opties | | |

| «document» | CollectionMethodCodelist | |
|---|---|---|
| Definitie | | |
| Datatype | | |
| DCM::ValueSetBinding | Required | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.1 | |
| DCM::ValueSetInclude OTH | True | |
| DCM::ValueSetStatus | Active | |
| HCIM::ValueSetLanguage | -- | |
| Opties | | |

| AfnameprocedureCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.1 |
|---|---|---|
| Codes | Coding Syst. Name | Coding System OID |
| SNOMED CT: <71388002 \| Procedure \| | SNOMED CT | 2.16.840.1.113883.6.96 |

| «document» | FastingStatusCodelist | |
|---|---|---|
| Definitie | | |
| Datatype | | |
| DCM::ValueSetBinding | Extensible | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.2 | |
| DCM::ValueSetInclude OTH | True | |
| DCM::ValueSetStatus | Active | |
| HCIM::ValueSetLanguage | EN | |
| Opties | | |

| NuchterStatusCodelijst | | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.22.3.2 | |
|---|---|---|---|---|
| Concept Name | Concept Code | Coding Syst. Name | Coding System OID | Description |
| Patient was fasting prior to the procedure. | F | hl7VS-relevantClincialInformation | 2.16.840.1.113883.21.440 | Patient was fasting prior to the procedure. |
| The patient indicated they did not fast prior to the procedure. | NF | hl7VS-relevantClincialInformation | 2.16.840.1.113883.21.440 | The patient indicated they did not fast prior to the procedure. |

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

## 1.8   Example Instances

| AfnameGegevens | | | | | |
|---|---|---|---|---|---|
| **Afname DatumTijd** | **Afnemer::Zorgverlener** | **Afname procedure** | **Aanname DatumTijd** | **Inleveraar:: Contactpersoon** | **Nuchter Status** |
| | *ZorgverlenerIdentificatienummer* | | | **Naamgegevens.Achter naam** | |
| 03-01-2024 09:00 | 12309851 | 28520004 | venapunctie voor bloedtest (verrichting) | | | N |
| | | 94131000146101 | afname van urine voor kweek (verrichting) | | 12-06-2023 09:00 | Jansen | |

## 1.9   Instructions

When implementing CollectionData, always add a reference to the thing that was collected, that is, the sample.

## 1.10   Interpretation


## 1.11   Care Process


## 1.12   Example of the Instrument


## 1.13   Constraints


## 1.14   Issues

CollectionData should get a reference to the sample, however, Sample is still part of the zib LaboratoryResult. In a future release, Sample will become its own zib and the reference can be added.

## 1.15   References

1. HL7 FHIR r4 specimen.collection. [Online] Beschikbaar op: https://hl7.org/fhir/R4/specimen-definitions.html#Specimen.collection [Geraadpleegd: 26 maart 2024].
2. OpenEHR CKM Specimen cluster [online] Beschikbaar op:
https://ckm.openehr.org/ckm/archetypes/1013.1.331
[Geraadpleegd: 26 maart 2024].

## 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

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