

Health & Care Information Model:

nl.zorg.process.CollectionData-v1.0.1

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

1. nl.zorg.process.CollectionData-v1.0.1	3
1.1 Revision History.....	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose.....	3
1.5 Patient Population	3
1.6 Evidence Base	3
1.7 Information Model	4
1.8 Example Instances.....	7
1.9 Instructions.....	7
1.10 Interpretation.....	7
1.11 Care Process	7
1.12 Example of the Instrument	7
1.13 Constraints.....	7
1.14 Issues	7
1.15 References	7
1.16 Functional Model	7
1.17 Traceability to other Standards.....	8
1.18 Disclaimer	8
1.19 Terms of Use	8
1.20 Copyrights	8

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	23-04-2025
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 (23-04-2025)

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.

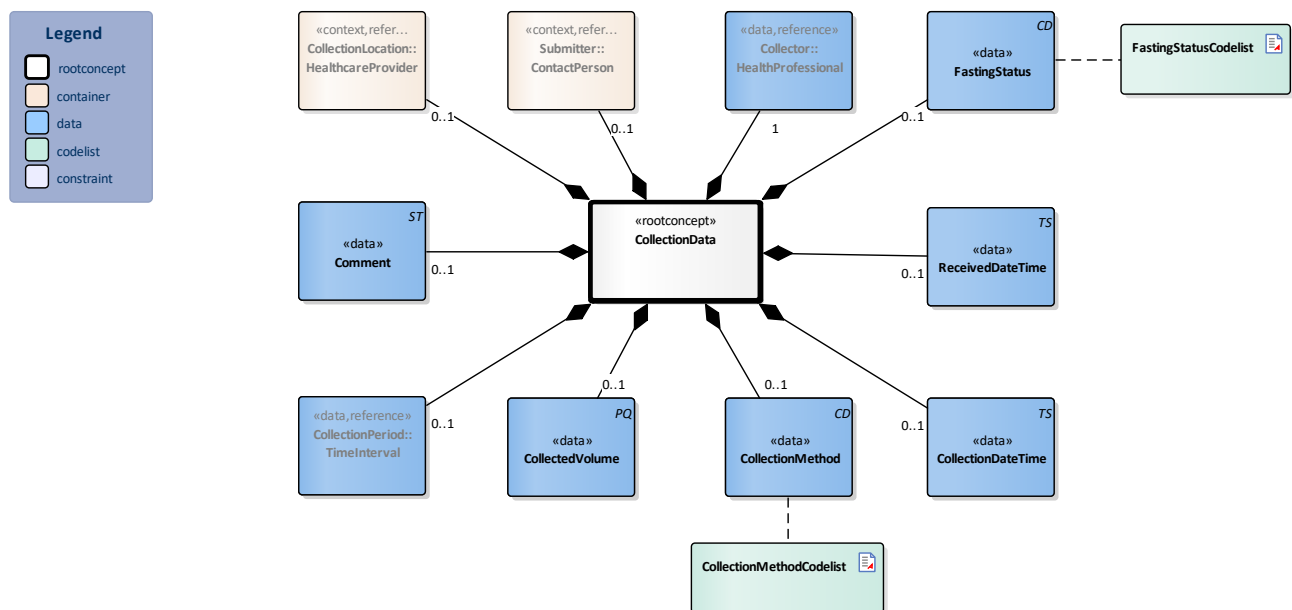
1.5 Patient Population

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-relevantClinicalInformation	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-relevantClinicalInformation	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

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 Models 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-NC-SA-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.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz

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

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

