Health & Care Information Model:

nl.zorg.process.CollectionData-v1.0

Status: Final
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Content

1. nl.zorg.process.CollectionData-v1.0

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	15-04-2024
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Zib-centrum
DCM::RevisionDate	
DCM::Supersedes	*
DCM::Version	1.0
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.

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.
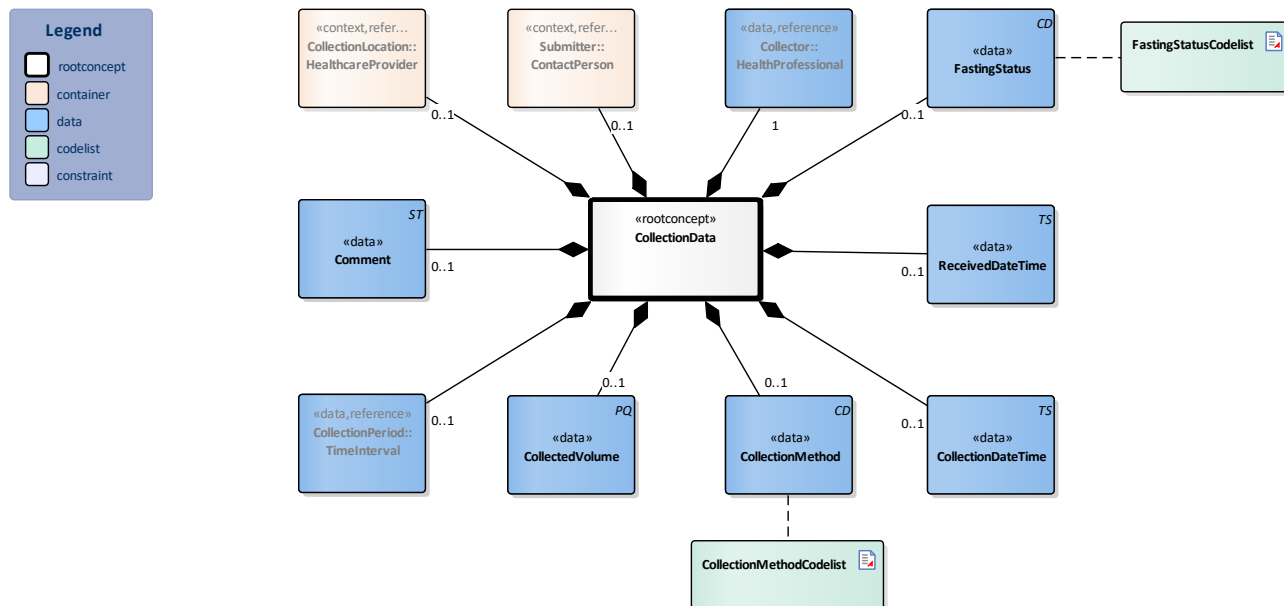
1.3 Mindmap

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 patiënt 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	
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	
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.Achternaam**	
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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