

# **Health & Care Information Model:**

## **nl.zorg.Encounter-v6.0**

Status: Final

Release status: Prepublished

# Content

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# 1. nl.zorg.Encounter-v6.0

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	19-4-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.15.1
DCM::KeywordList	Contacten, contact, patiëntcontact, afspraak
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Contact
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	04-09-2023
DCM::Supersedes	nl.zorg.Contact-v5.0
DCM::Version	6.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

Publicatieversie 1.1 (01-07-2013)

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-163, ZIB-164, ZIB-165, ZIB-306, ZIB-308.

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-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-463, ZIB-465, ZIB-553, ZIB-563, ZIB-564, ZIB-565, ZIB-574.

Publicatieversie 4.0 (06-07-2019)

Bevat: ZIB-701, ZIB-819, ZIB-821, ZIB-822.

Publicatieversie 4.0.1 (01-09-2020)

Bevat: ZIB-1089, ZIB-1189.

Publicatieversie 4.0.2 (01-12-2021)

Bevat: ZIB-1334, ZIB-1428.

Publicatieversie 5.0 (10-06-2022)

Bevat: ZIB-622, ZIB-938, ZIB-1104, ZIB-1306, ZIB-1632.

## 1.2 Concept

A contact is an interaction between a patient and health care provider(s) in the context of a problem. These can be visits or online interactions.

Encounters can be visits to the general practitioner or other practices, home visits or other relevant encounters. This includes past and future encounters.

In the case of encounters where the main purpose is to perform a procedure, the encounter is considered an implicit part of this procedure and not additionally described as encounter.

## 1.3 Mindmap

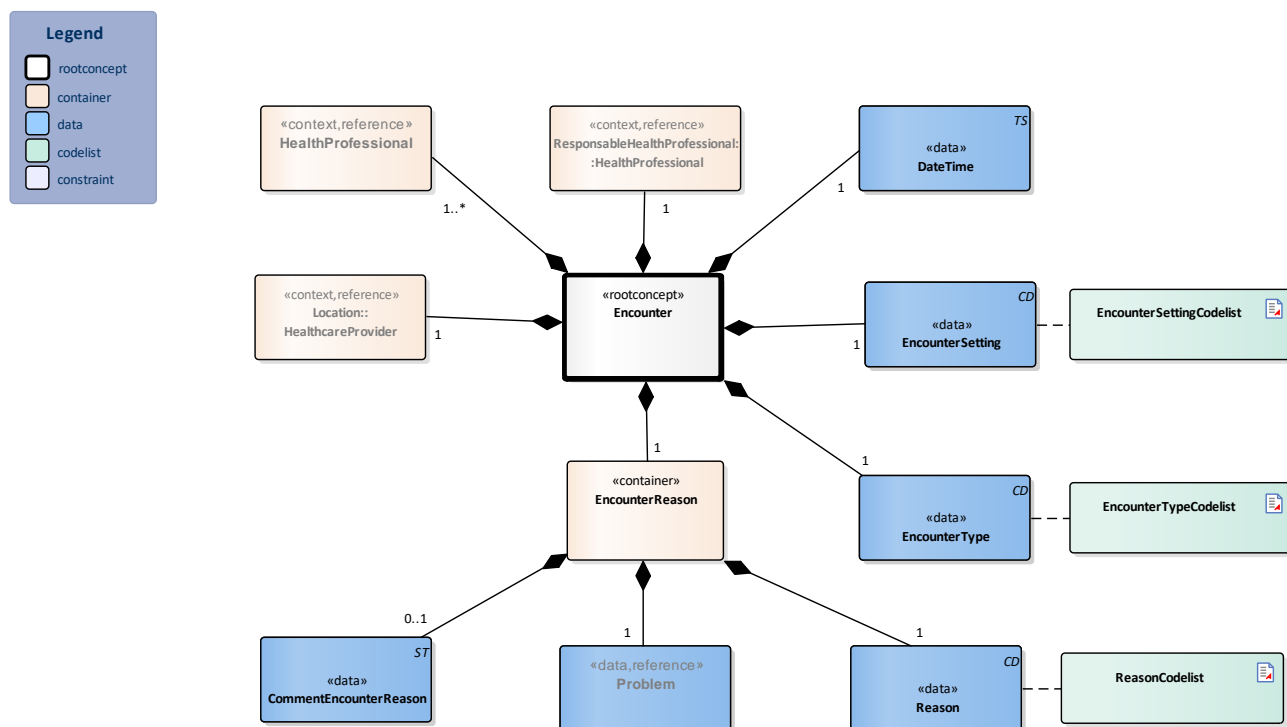
## 1.4 Purpose

Encounters take place between a health professional and patient with the aim of assessing the patient's health condition or discuss a health problem, treatment outcome or follow-up policy with the patient

## 1.5 Patient Population

## 1.6 Evidence Base

## 1.7 Information Model



«rootconcept»	Encounter
<b>Definitie</b>	Root concept of the Encounter information model. This concept contains all data elements of the Encounter information model.

<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 308335008 Patient encounter procedure	
<b>Opties</b>		

<b>«data»</b>	<b>EncounterType</b>	
<b>Definitie</b>	The type of encounter is based on the setting of the encounter and the participants present.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.1.2	
<b>DCM::ValueSet</b>	EncounterTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.1
<b>Opties</b>		

<b>«data»</b>	<b>EncounterSetting</b>	
<b>Definitie</b>	EncounterSetting describes the manner and setting in which the contact takes place	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.1.19	
<b>DCM::ValueSet</b>	EncounterSettingCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.2
<b>Opties</b>		

<b>«container»</b>	<b>EncounterReason</b>	
<b>Definitie</b>	Container of the EncounterReason concept. This container contains all data elements of the EncounterReason concept.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.13	
<b>Opties</b>		

<b>«data»</b>	<b>Problem</b>	
<b>Definitie</b>	The main problem to which the encounter relates.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.6	
<b>DCM::ReferencedConceptId</b>	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
<b>Opties</b>		

<b>«data»</b>	<b>Reason</b>	
<b>Definitie</b>	Main reason for the encounter within the context of the health problem.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.1.20	
<b>DCM::ValueSet</b>	ReasonCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.3
<b>Opties</b>		

<b>«data»</b>	<b>CommentEncounterReason</b>	
<b>Definitie</b>	Comment on the reason for the encounter, insofar as this cannot be sufficiently expressed in the other elements.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:15.1.17	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment [Interpretation] Narrative	

<b>DCM::Example</b>	Bespreken mogelijkheden sedatie en pijnbestrijding	
<b>Opties</b>		

<b>«data»</b>	<b>DateTime</b>	
<b>Definitie</b>	The date and time at which the encounter took or will take place.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:15.1.3	
<b>Opties</b>		

<b>«context»</b>	<b>ResponsibleHealthProfessional::HealthProfessional</b>	
<b>Definitie</b>	The health professional who is responsible at the time of the encounter for the treatment of the patient's stated health problem.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.18	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
<b>Opties</b>		

<b>«context»</b>	<b>HealthProfessional</b>	
<b>Definitie</b>	The health professional with whom the encounter took or will take place. The specialty and role of the health professional can be entered in the HealthProfessional information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.7	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
<b>Opties</b>		

<b>«context»</b>	<b>Location::HealthcareProvider</b>	
<b>Definitie</b>	The physical location at which the encounter took or will take place.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.1.8	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.2.1	This is a reference to the rootconcept of information model Healthcare Provider
<b>Opties</b>		

<b>«document»</b>	<b>ReasonCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.6 0.40.2.15.1.3	
<b>HCIM::ValueSetLanguage</b>	--	
<b>Opties</b>		

<b>AanleidingContactCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.3</b>	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Encounter for check up	185349003	SNOMED CT	2.16.840.1.113883.6.96	Controle
New patient consultation	185387006	SNOMED CT	2.16.840.1.113883.6.96	Intake
Screening procedure	20135006	SNOMED CT	2.16.840.1.113883.6.96	Screening

Counseling	409063005	SNOMED CT	2.16.840.1.113883.6.96	Adviesgesprek
Confirmatory medical consultation	77406008	SNOMED CT	2.16.840.1.113883.6.96	Second opinion
Discussion about options	223487003	SNOMED CT	2.16.840.1.113883.6.96	Bespreken beleid
Encounter for sign	185346005	SNOMED CT	2.16.840.1.113883.6.96	Verandering klachten
Follow-up consultation	281036007	SNOMED CT	2.16.840.1.113883.6.96	Follow-up
Education	409073007	SNOMED CT	2.16.840.1.113883.6.96	Voorlichting/Instructie
Clinical trial	110465008	SNOMED CT	2.16.840.1.113883.6.96	Wetenschappelijk onderzoek
Physician contact assessment	410140003	SNOMED CT	2.16.840.1.113883.6.96	Nagesprek
Encounter for acute problem	180201000146103	SNOMED CT	2.16.840.1.113883.6.96	Acuut probleem
Care provision regime	225351009	SNOMED CT	2.16.840.1.113883.6.96	Verzorging/verpleging
Keeping a vigil of dying patient	180311000146105	SNOMED CT	2.16.840.1.113883.6.96	Waken
Evaluation of diagnostic study results	370851004	SNOMED CT	2.16.840.1.113883.6.96	Bespreken uitslagen/metingen

«document»		EncounterSettingCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.15.1.2			
HCIM::ValueSetLanguage	--			
Opties				
<b>ContactVormCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.2</b>		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Physical face-to-face encounter	180231000146108	SNOMED CT	2.16.840.1.113883.6.96	Fysiek
Indirect encounter	185316007	SNOMED CT	2.16.840.1.113883.6.96	Op afstand
Telephone encounter	185317003	SNOMED CT	2.16.840.1.113883.6.96	Telefonisch
Consultation via video conference	719410009	SNOMED CT	2.16.840.1.113883.6.96	Video
Telemedicine consultation with patient	448337001	SNOMED CT	2.16.840.1.113883.6.96	Digitaal tekstueel

«document»		EncounterTypeCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.15.1.1			
HCIM::ValueSetLanguage	EN			
Opties				

ContactTypeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.1.1	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Ambulatory	AMB	ActCode	2.16.840.1.113883.5.4	Poliklinisch, Ambulant [DEPRECATED]
Emergency	EMER	ActCode	2.16.840.1.113883.5.4	SEH [DEPRECATED]
Field	FLD	ActCode	2.16.840.1.113883.5.4	Op locatie [DEPRECATED]
Home	HH	ActCode	2.16.840.1.113883.5.4	Thuis [DEPRECATED]
Inpatient	IMP	ActCode	2.16.840.1.113883.5.4	Klinisch [DEPRECATED]
Short Stay	SS	ActCode	2.16.840.1.113883.5.4	Dagopname [DEPRECATED]
Virtual	VR	ActCode	2.16.840.1.113883.5.4	Virtueel [DEPRECATED]
Triage	225390008	SNOMED CT	2.16.840.1.113883.6.96	Triage
First consultation with outpatient	105251000146109	SNOMED CT	2.16.840.1.113883.6.96	1e poliklinisch consult
Follow-up consultation with outpatient	93881000146109	SNOMED CT	2.16.840.1.113883.6.96	Poliklinisch vervolgsconsult
Outpatient inter-collegial consultation	180191000146100	SNOMED CT	2.16.840.1.113883.6.96	Poliklinisch intercollegiaal consult
Multidisciplinary consultation	155161000146105	SNOMED CT	2.16.840.1.113883.6.96	Poliklinisch multidisciplinair consult
Evaluation and management of inpatient	86181006	SNOMED CT	2.16.840.1.113883.6.96	Klinische contact
Medical consultation on hospital inpatient	24882007	SNOMED CT	2.16.840.1.113883.6.96	Klinisch intercollegiaal consult
Primary care encounter with consulted physician	180211000146101	SNOMED CT	2.16.840.1.113883.6.96	Meekijkconsult
Pre-anesthetic assessment	182770003	SNOMED CT	2.16.840.1.113883.6.96	Preoperatieve screening
Home visit	439708006	SNOMED CT	2.16.840.1.113883.6.96	Huisbezoek
Emergency department patient visit	4525004	SNOMED CT	2.16.840.1.113883.6.96	SEH bezoek
Transportation by emergency ambulance	715542009	SNOMED CT	2.16.840.1.113883.6.96	Ambulance contact [DEPRECATED]
Transport door ambulance	715537001	SNOMED CT	2.16.840.1.113883.6.96	Ambulance contact
Transportation by helicopter air ambulance	715540001	SNOMED CT	2.16.840.1.113883.6.96	Traumaheli contact
Office visit	180221000146106	SNOMED CT	2.16.840.1.113883.6.96	Praktijkbezoek

Legend	
Definitie	
Datatype	



## 1.8 Example Instances

Contact Type	Datum Tijd	RedenContact		Verantwoordelijk Zorgverlener	Contact Vorm	Locatie
		Probleem	Aanleiding Contact	Zorgverlener Naam		Organisatie Naam
SEH	16-05-2022	Gebroken been	Acuut Probleem	J.H.R. Peters	Fysiek	Universitair Medisch Centrum Groningen

## 1.9 Instructions

If a patient has contact with different specialities for different problems then a separate HCIM instantiation of Contact should be created for each problem. For example, someone seen in the ER by an ophthalmologist for eye injury, a surgeon for knee injury and an internist for loss of consciousness.

## 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

## 1.18 Disclaimer

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