

# Health & Care Information Model:

nl.zorg.Admission-v2.0

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# Content

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# 1. nl.zorg.Admission-v2.0

DCM::CoderList	Zib-centrum
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	*
DCM::CreationDate	1-12-2021
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	*
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.15.4
DCM::KeywordList	Opname, Deelopname, Ziekenhuisopname
DCM::LifecycleStatus	Final
DCM::ModelerList	Zib-centrum
DCM::Name	nl.zorg.Opname
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	
DCM::RevisionDate	12-09-2023
DCM::Supersedes	nl.zorg.Opname-v1.0
DCM::Version	2.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (10-06-2022)

Publicatieversie 2.0 (15-10-2023)

Bevat: ZIB-1773, ZIB-1824.

## 1.2 Concept

The stay of a patient or client in a healthcare facility in the context of a (partial) admission or emergency room visit. A (partial) admission is the entire or partial stay of a patient or client in a department equipped for nursing in a health care institution, for example, an inpatient ward, day care unit, emergency care, or observatory. This HCIM therefore applies to a whole admission, part of an admission, or emergency room visit in both past and present.

## 1.3 Mindmap

## 1.4 Purpose

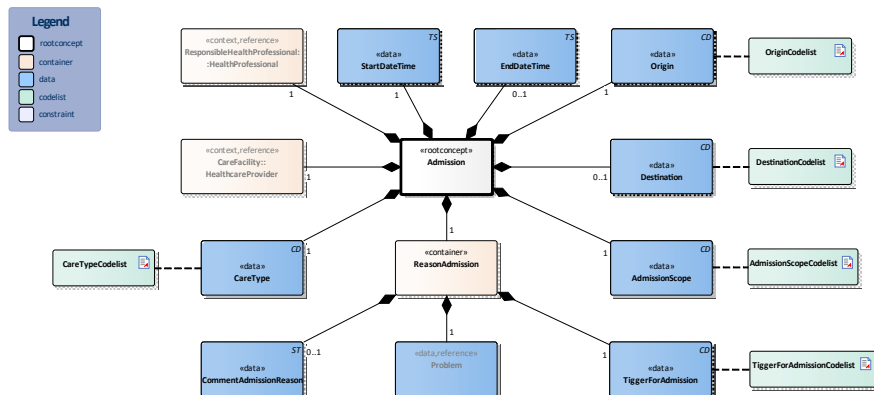
Admissions or emergency room visits occur in a healthcare facility for the purpose of treating, observing or examining a patient or client.

## 1.5 Patient Population

## 1.6 Evidence Base

The codelists for Origin and Destination generally correspond to the 'Landelijke Basisregistratie Ziekenhuiszorg' (National Basic Registration Hospital Care)

## 1.7 Information Model



«rootconcept»	Admission
<b>Definitie</b>	Root concept of the Admission information model. This root concept contains all data elements of the Admission information model.
<b>Datatype</b>	
<b>DCM::ConceptId</b>	NL-CM:15.4.1
<b>Opties</b>	

«data»	CareType
<b>Definitie</b>	The type of care that has been or will be provided to the patient during the (partial) admission. This is related, among other things, to the severity category of the care.
<b>Datatype</b>	CD
<b>DCM::ConceptId</b>	NL-CM:15.4.2
<b>DCM::ValueSet</b>	CareTypeCodelist OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.5
<b>Opties</b>	

«data»	StartDateTime
<b>Definitie</b>	Date and time when the (partial) admission will start or was started.
<b>Datatype</b>	TS
<b>DCM::ConceptId</b>	NL-CM:15.4.3
<b>Opties</b>	

«data»	EndDateTime
<b>Definitie</b>	Date and time on which the (partial) admission ended. For a future or ongoing admission, the end date can be empty.
<b>Datatype</b>	TS
<b>DCM::ConceptId</b>	NL-CM:15.4.4
<b>Opties</b>	

«container»	ReasonAdmission
-------------	-----------------

<b>Definitie</b>	Container of the ReasonAdmission concept.This container contains all data elements of the ReasonAdmission concept.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.4.5	
<b>Opties</b>		

<b>«data»</b>	<b>Problem</b>	
<b>Definitie</b>	The main problem to which the (partial) admission relates.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:15.4.6	
<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>TiggerForAdmission</b>	
<b>Definitie</b>	The specific reason for the admission in relation to the diagnosis and/or treatment of the problem.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.4.7	
<b>DCM::DefinitionCode</b>	SNOMED CT: 59021000146108 Reason for admission	
<b>DCM::ValueSet</b>	TiggerForAdmissionCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.1
<b>Opties</b>		

<b>«data»</b>	<b>CommentAdmissionReason</b>	
<b>Definitie</b>	Comment on the reason for the (partial) admission, insofar as this cannot be sufficiently expressed in the other elements.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:15.4.8	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment [Interpretation] Narrative	
<b>Opties</b>		

<b>«data»</b>	<b>Origin</b>	
<b>Definitie</b>	Location where the patient comes from prior to the (partial) admission. This will mainly be used at the start of hospitalisation.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.4.9	
<b>DCM::ValueSet</b>	OriginCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.3
<b>Opties</b>		

<b>«data»</b>	<b>Destination</b>	
<b>Definitie</b>	Location where the patient will go after the (partial) admission. This will mainly be used at the end of hospitalization.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:15.4.10	
<b>DCM::ValueSet</b>	DestinationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.2
<b>Opties</b>		

«data»	AdmissionScope	
Definitie	AdmissionScope indicates whether it is a overall admission or a partial admission.	
Datatype	CD	
DCM::ConceptId	NL-CM:15.4.11	
DCM::ValueSet	AdmissionScopeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.4
Opties		

«context»	ResponsibleHealthProfessional::HealthProfessional	
Definitie	The health professional who is responsible during the (partial) admission. The information about the health professional can also include the specialism and role of the health professional.	
Datatype		
DCM::ConceptId	NL-CM:15.4.12	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«context»	CareFacility::HealthcareProvider	
Definitie	The physical location of the healthcare provider where the (partial) admission has taken place or will take place.	
Datatype		
DCM::ConceptId	NL-CM:15.4.13	
DCM::ReferencedConceptId	NL-CM:17.2.1	This is a reference to the rootconcept of information model HealthcareProvider.
Opties		

«document»	TiggerForAdmissionCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.15.4.1	
HCIM::ValueSetLanguage	--	
Opties		

AanleidingOpnameCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.1	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Procedure	71388002	SNOMED CT	2.16.840.1.113883.6.96	Uitvoeren verrichting
Administration of medication	18629005	SNOMED CT	2.16.840.1.113883.6.96	Medicatieoediening
Observation regime	225308005	SNOMED CT	2.16.840.1.113883.6.96	Observatie
Rehabilitation therapy	52052004	SNOMED CT	2.16.840.1.113883.6.96	Revalidatie
Safety procedure	370886002	SNOMED CT	2.16.840.1.113883.6.96	Veiligheid patiënt en/of omgeving
Respite care of patient	105386004	SNOMED CT	2.16.840.1.113883.6.96	Respijtzorg
Encounter for acute problem	180201000146103	SNOMED CT	2.16.840.1.113883.6.96	Contact vanwege acuut probleem

«document»	DestinationCodelist	
Definitie		
Datatype		

<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.15.4.2	
<b>HCIM::ValueSetLanguage</b>	--	
<b>Opties</b>		

BestemmingCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.2	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Home	264362003	SNOMED CT	2.16.840.1.113883.6.96	Eigen woonomgeving, niet zijnde een instelling
Left against medical advice	445060000	SNOMED CT	2.16.840.1.113883.6.96	Tegen advies in vertrokken [DEPRECATED]
Rehabilitation hospital	80522000	SNOMED CT	2.16.840.1.113883.6.96	Instelling voor revalidatie
Long term care facility	42665001	SNOMED CT	2.16.840.1.113883.6.96	Instelling voor verpleging/verzorging
Psychiatric hospital	62480006	SNOMED CT	2.16.840.1.113883.6.96	GGZ instelling
Hospital	22232009	SNOMED CT	2.16.840.1.113883.6.96	Ander ziekenhuis
Died in hospital	183676005	SNOMED CT	2.16.840.1.113883.6.96	Overleden [DEPRECATED]
Morgue	225737007	SNOMED CT	2.16.840.1.113883.6.96	Mortuarium
Hospice	284546000	SNOMED CT	2.16.840.1.113883.6.96	Hospice
Hospital abroad	155621000146109	SNOMED CT	2.16.840.1.113883.6.96	Ziekenhuis buitenland
Site of care	43741000	SNOMED CT	2.16.840.1.113883.6.96	Instelling (anders)
Discharge to other location within hospital premises	115841000146105	SNOMED CT	2.16.840.1.113883.6.96	Afdeling binnen zelfde instelling

<b>«document»</b>	OriginCodelist
<b>Definitie</b>	
<b>Datatype</b>	
<b>DCM::ValueSetBinding</b>	Extensible
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.15.4.3
<b>HCIM::ValueSetLanguage</b>	--
<b>Opties</b>	

HerkomstCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.3	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Home	264362003	SNOMED CT	2.16.840.1.113883.6.96	Eigen woonomgeving, niet zijnde een instelling
Rehabilitation hospital	80522000	SNOMED CT	2.16.840.1.113883.6.96	Instelling voor revalidatie
Long term care facility	42665001	SNOMED CT	2.16.840.1.113883.6.96	Instelling voor verpleging/verzorging
Psychiatric hospital	62480006	SNOMED CT	2.16.840.1.113883.6.96	GGZ instelling
Hospital	22232009	SNOMED CT	2.16.840.1.113883.6.96	Ander ziekenhuis
Newborn nursery unit	427695007	SNOMED CT	2.16.840.1.113883.6.96	In dit ziekenhuis geboren
Liveborn born in hospital	442311008	SNOMED CT	2.16.840.1.113883.6.96	In dit ziekenhuis geboren [DEPRECATED]
Hospice	284546000	SNOMED CT	2.16.840.1.113883.6.96	Hospice
Hospital abroad	155621000146109	SNOMED CT	2.16.840.1.113883.6.96	Ziekenhuis buitenland
Site of care	43741000	SNOMED CT	2.16.840.1.113883.6.96	Instelling (anders)
Accident and	225728007	SNOMED CT	2.16.840.1.113883.6.96	SEH

Emergency department				
Outpatient environment	440655000	SNOMED CT	2.16.840.1.113883.6.96	Poliklinische afdeling
Discharge to other location within hospital premises	115841000146105	SNOMED CT	2.16.840.1.113883.6.96	Afdeling binnen zelfde instelling
Incident site	702869004	SNOMED CT	2.16.840.1.113883.6.96	Locatie van incident

«document»		AdmissionScopeCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.15.4.4			
HCIM::ValueSetLanguage	--			
Opties				
OpnameScopeCodelist		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.4		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Total admission	TA	OpnameScope	2.16.840.1.113883.2.4.3.11.60.40.4.29.1	Gehele opname
Admission part	PA	OpnameScope	2.16.840.1.113883.2.4.3.11.60.40.4.29.1	Opnamedeel

«document»		CareTypeCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.15.4.5			
HCIM::ValueSetLanguage	--			
Opties				
ZorgTypeCodelist		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.15.4.5		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Regular nursing care	180121000146103	SNOMED CT	2.16.840.1.113883.6.96	Reguliere verpleging
Medium care	180141000146109	SNOMED CT	2.16.840.1.113883.6.96	Verlenen van 'medium care' aan patiënt
High care	180151000146107	SNOMED CT	2.16.840.1.113883.6.96	Verlenen van 'high care' aan patiënt
Intensive care	180131000146101	SNOMED CT	2.16.840.1.113883.6.96	IC-zorg [DEPRECATED]
Care of intensive care unit patient	133903000	SNOMED CT	2.16.840.1.113883.6.96	Verlenen van zorg aan patient op intensivereafdeling
Care of accident and emergency unit patient	290191000146103	SNOMED CT	2.16.840.1.113883.6.96	Verlenen van zorg aan patiënt op spoedeisende hulp



	Legend
Definitie	
Datatype	
Opties	

## 1.8 Example Instances

Herkomst	Begin Datum Tijd	RedenOpname		Verantwoordelijk Behandelaar	ZorgType	Zorginstelling
		Probleem	Aanleiding Opname			
Eigen woonomgeving	16-05-2022	Gebroken been	Uitvoeren verrichting	J.H.R. Peters	Reguliere verpleging	Universitair Medisch Centrum Groningen

## 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. Landelijke Basisregistratie Ziekenhuiszorg [Online] Beschikbaar op: [https://www.dhd.nl/klanten/klantenservice/handleidingen\\_formulieren/Documents/Handleiding%20LBZ.pdf](https://www.dhd.nl/klanten/klantenservice/handleidingen_formulieren/Documents/Handleiding%20LBZ.pdf) [Geraadpleegd: 29 juni2017].

### 1.16 Functional Model

### 1.17 Traceability to other Standards

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