

# Health & Care Information Model:

nl.zorg.HealthProfessional-v4.0

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# Content

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## 1. nl.zorg.HealthProfessional-v4.0

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	13-8-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::id	2.16.840.1.113883.2.4.3.11.60.40.3.17.1
DCM::KeywordList	zorgverlener, zorgaanbieder
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Zorgverlener
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	13-09-2023
DCM::Supersedes	nl.zorg.Zorgverlener-v3.5.2
DCM::Version	4.0
HCIM::PublicationLanguage	EN

### 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

-

Publicatieversie 1.1 (01-07-2013)

Bevat: ZIB-42, ZIB-34.

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-70, ZIB-104, ZIB-105, ZIB-287, ZIB-288, ZIB-289, ZIB-290, ZIB-291, ZIB-308, ZIB-343, ZIB-344, ZIB-353.

Incl. algemene wijzigingsverzoeken:

ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 1.2.1 (16-07-2015)

Bevat: ZIB-413, ZIB-421.

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-429, ZIB-448, ZIB-456, ZIB-491, ZIB-492, ZIB-501, ZIB-502, ZIB-513, ZIB-549, ZIB-564.

Publicatieversie 3.2 (31-12-2017)

Bevat: ZIB-619, ZIB-620.

Publicatieversie 3.3 (06-07-2019)  
Bevat: ZIB-759, ZIB-704

Publicatieversie 3.4 (31-01-2020)  
Bevat: ZIB-960.

Publicatieversie 3.5 (01-09-2020)  
Bevat: ZIB-899, ZIB-952, ZIB-1142, ZIB-1189.

Publicatieversie 3.5.1 (01-12-2021)  
Bevat: ZIB-1256.

Publicatieversie 3.5.2 (10-06-2022)  
Bevat: ZIB-1673.

Publicatieversie 4.0 (15-10-2023)  
Bevat: ZIB-1788, ZIB-1974, ZIB-1891.

## 1.2 Concept

A health professional is a person who is authorized to perform actions in the field of individual healthcare.

## 1.3 Mindmap

## 1.4 Purpose

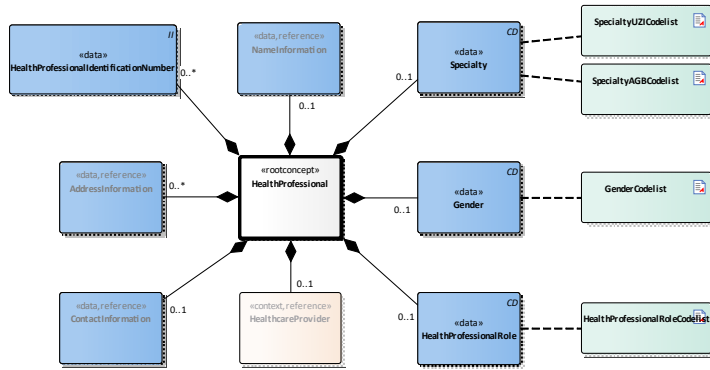
The purpose of this information model is documenting the identity of people providing healthcare. For health professionals, information must be sufficiently complete for reference and auditing: if known, the name is mandatory. If an identification number is given such as a UZI or AGB number, the name and number have to match.

## 1.5 Patient Population

## 1.6 Evidence Base

Other employees working in healthcare can also be mapped onto this HCIM. If needed the HealthProfessionalRole can be used to specify the type of healthcareworker by using the nullflavor OTH in free text.

## 1.7 Information Model



«rootconcept»	HealthProfessional	
<b>Definitie</b>	<p>Root concept of the HealthProfessional information model. This root concept contains all data elements of the HealthProfessional information model.</p> <p>When referring to this information model the role the health professional fulfils in the healthcare process can be addressed additionally. For health professionals, this could be for example main practitioner or referrer.</p>	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:17.1.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 223366009	
	Healthcare professional	
<b>Opties</b>		

«data»	HealthProfessionalIdentificationNumber	
<b>Definitie</b>	<p>The health professional identification number is a number that uniquely identifies the health professional.</p> <p>The following numbers are used in the Netherlands:</p> <ol style="list-style-type: none"> <li>1. UZI Health Professionals. Identification of health professionals (people) in the Dutch healthcare industry.</li> <li>2. VEKTIS AGB-Z. Identifies health professionals and healthcare organizations</li> <li>3. BIG-ID. The ID of the health professional listed in the BIG-Register.</li> </ol> <p>This information is not readily available for foreign health professionals.</p>	
<b>Datatype</b>	II	
<b>DCM::AssigningAuthority</b>	BIG-register inschrijvingsnummer	OID: 2.16.528.1.1007.5.1
<b>DCM::AssigningAuthority</b>	Vektis AGB-zorgverlener tabel	OID: 2.16.840.1.113883.2.4.6.1
<b>DCM::AssigningAuthority</b>	UZI-nummer natuurlijke personen	OID: 2.16.528.1.1007.3.1
<b>DCM::ConceptId</b>	NL-CM:17.1.2	
<b>DCM::ExampleValue</b>	21870932	
<b>Opties</b>		

«data»	NameInformation	
<b>Definitie</b>	Health professional's full name. If a health professional identification	

	number is entered, it will be the name as listed in UZI, AGB or by the healthcare center.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:17.1.3	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.4.1	This is a reference to the rootconcept of partial information model NameInformation.
<b>Opties</b>		

<b>«data»</b>	<b>Specialty</b>	
<b>Definitie</b>	Health professional's medical specialty. This refers to the recognized medical specialties as stated in the BIG Act. For example general practitioner or cardiologist.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:17.1.4	
<b>DCM::DefinitionCode</b>	SNOMED CT: 394658006	clinical speciality
<b>DCM::ExampleValue</b>	Cardioloog	
<b>DCM::ValueSet</b>	SpecialtyAGBCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.7
<b>DCM::ValueSet</b>	SpecialtyUZICodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.6
<b>Opties</b>		

<b>«data»</b>	<b>Gender</b>	
<b>Definitie</b>	Health professional's administrative gender.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:17.1.9	
<b>DCM::ValueSet</b>	GenderCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.8
<b>Opties</b>		

<b>«data»</b>	<b>AddressInformation</b>	
<b>Definitie</b>	Health professional's address information.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:17.1.7	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.5.1	This is a reference to the rootconcept of partial information model AddressInformation.
<b>Opties</b>		

<b>«data»</b>	<b>ContactInformation</b>	
<b>Definitie</b>	Health professional's telephone number(s) or e-mail address(es).	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:17.1.8	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.6.1	This is a reference to the rootconcept of partial information model ContactInformation.
<b>Opties</b>		

<b>«context»</b>	<b>HealthcareProvider</b>	
<b>Definitie</b>	The organization the health professional works for.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:17.1.6	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.2.1	This is a reference to rootconcept of information model HealthcareProvider

Opties	
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<b>«data»</b>	<b>HealthProfessionalRole</b>	
Definitie	The role the health professional fulfils in the healthcare process. For health professionals, this could be for example attender, referrer or performer.	
Datatype	CD	
DCM::ConceptId	NL-CM:17.1.5	
DCM::ExampleValue	Hoofdbehandelaar	
DCM::ValueSet	HealthProfessionalRoleCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.5
Opties		

<b>«document»</b>	<b>SpecialtyAGBCodelist</b>	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.17.1.7	
HCIM::ValueSetLanguage	--	
Opties		

<b>SpecialismeAGBCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.7</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	COD016-VEKT (Vektis AGB-medische specialismen)	2.16.840.1.113883.2.4.6.7

<b>«document»</b>	<b>SpecialtyUZICodelist</b>	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.17.1.6	
HCIM::ValueSetLanguage	--	
Opties		

<b>SpecialismeUZICodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.6</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	RoleCodeNL (Zorgverlenertype (personen))	2.16.840.1.113883.2.4.15.111

<b>«document»</b>	<b>GenderCodelist</b>	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.17.1.8	
HCIM::ValueSetLanguage	EN	
Opties		

<b>GeslachtCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.8</b>
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Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Undifferentiated	UN	AdministrativeGender	2.16.840.1.113883.5.1	Ongedifferentieerd
Male	M	AdministrativeGender	2.16.840.1.113883.5.1	Man
Female	F	AdministrativeGender	2.16.840.1.113883.5.1	Vrouw
Unknown	UNK	NullFlavors	2.16.840.1.113883.5.1008	Onbekend

«document»		HealthProfessionalRoleCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.17.1.5			
HCIM::ValueSetLanguage	EN			
Opties				

ZorgverlenerRolCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.17.1.5		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Responsible Party	RESP	ParticipationType	2.16.840.1.113883.5.90	Hoofdbehandelaar
Referrer	REF	ParticipationType	2.16.840.1.113883.5.90	Verwijzer
Performer	PRF	ParticipationType	2.16.840.1.113883.5.90	Uitvoerder
Secondary Performer	SPRF	ParticipationType	2.16.840.1.113883.5.90	Tweede uitvoerder
Consultant	CON	ParticipationType	2.16.840.1.113883.5.90	Consulent
Attender	ATND	ParticipationType	2.16.840.1.113883.5.90	Behandelaar
Case manager	768832004	SNOMED CT	2.16.840.1.113883.6.96	Case manager
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

Legend	
Definitie	
Datatype	
Opties	

## 1.8 Example Instances



<b>Zorgverlener</b>	
ZorgverlenerIdentificatienummer	21870932
ZorgverlenerRol	Hoofdbehandelaar
Specialisme	Neuroloog
<b>ZorgverlenerNaam</b>	
Initialen	J.H.R.
Geslachtsnaam	Peters
<b>Adres</b>	
Straat	Simon Smitweg
Huisnummer	1
Woonplaats	Leiderdorp
Gemeente	
Postcode	2353 GA
AdresSoort	Werkadres
Land	Nederland
<b>TelefoonEmail</b>	
Telefoonnummer	+3715828282
NummerSoort	Zakelijk telefoonnummer
EmailAdres	<a href="mailto:j.peters@hospital.nl">j.peters@hospital.nl</a>
EmailSoort	Zakelijk e-mailadres

## 1.9 Instructions

The concept HealthProfessionalRole can be expressed in two ways, as an element in the information model and as the definition code of a reference in another referring information model (Performer::HealthProfessional). In both cases, the code is taken from the same code list. If both possibilities are used, they should not be in conflict.

## 1.10 Interpretation

## 1.11 Care Process

## 1.12 Example of the Instrument

## 1.13 Constraints

## 1.14 Issues

## 1.15 References

1. Implementatiehandleiding HL7v3 Basiscomponenten, Stichting HL7 Nederland [Online] Beschikbaar op: [http://www.hl7.nl/images/downloads/Implementatiehandleiding%20HL7v3%20Basiscomponenten%20%202.3NL\\_secure.pdf](http://www.hl7.nl/images/downloads/Implementatiehandleiding%20HL7v3%20Basiscomponenten%20%202.3NL_secure.pdf) [Geraadpleegd: 23 februari 2015].

## 1.16 Functional Model

## 1.17 Traceability to other Standards

### 1.18 Disclaimer

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