

# Health & Care Information Model:

nl.zorg.Patient-v4.1

Status: Final

Release: 2022

Release status: Prepublished

Managed by:



# Content

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# 1. nl.zorg.Patient-v4.1

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	14-6-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.0.1
DCM::KeywordList	Patient, zorgverlener, contact
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Patient
DCM::PublicationDate	10-06-2022
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	10-05-2022
DCM::Supersedes	nl.zorg.Patient-v4.0
DCM::Version	4.1
HCIM::PublicationLanguage	EN

## 1.1 Revision History

### Publicatieversie 1.0 (15-02-2013)

-

### Publicatieversie 1.1 (01-07-2013)

Bevat: ZIB-33.

### Publicatieversie 2.0 (01-04-2015)

Bevat: ZIB-62, ZIB-67, ZIB-96, ZIB-97, ZIB-98, ZIB-99, ZIB-100, ZIB-102, ZIB-121, ZIB-257, ZIB-258, ZIB-259, ZIB-260, ZIB-261, ZIB-262, ZIB-303, ZIB-308, ZIB-349, ZIB-350, ZIB-351, ZIB-353.

Incl. algemene wijzigingsverzoeken:

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

### Publicatieversie 2.0.1 (22-05-2015)

Bevat: ZIB-385, ZIB-374.

### Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

### Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-429, ZIB-430, ZIB-442, ZIB-471, ZIB-491, ZIB-564.

### Publicatieversie 3.1.1 (01-10-2018)

Bevat: ZIB-647.

Publicatieversie 3.2 (01-09-2020)  
Bevat: ZIB-961, ZIB-1029, ZIB-1189.

Publicatieversie 4.0 (01-12-2021)  
Bevat: ZIB-1239, ZIB-1465.

Publicatieversie 4.1 (10-06-2022)  
Bevat: ZIB-1650.

## 1.2 Concept

A person who receives medical, psychological, paramedical or nursing care. In some care settings, the term client or participant is used instead of the term patient.

## 1.3 Mindmap

## 1.4 Purpose

Recording relevant information to identify the patient for administrative purposes and process support.

## 1.5 Patient Population

## 1.6 Evidence Base

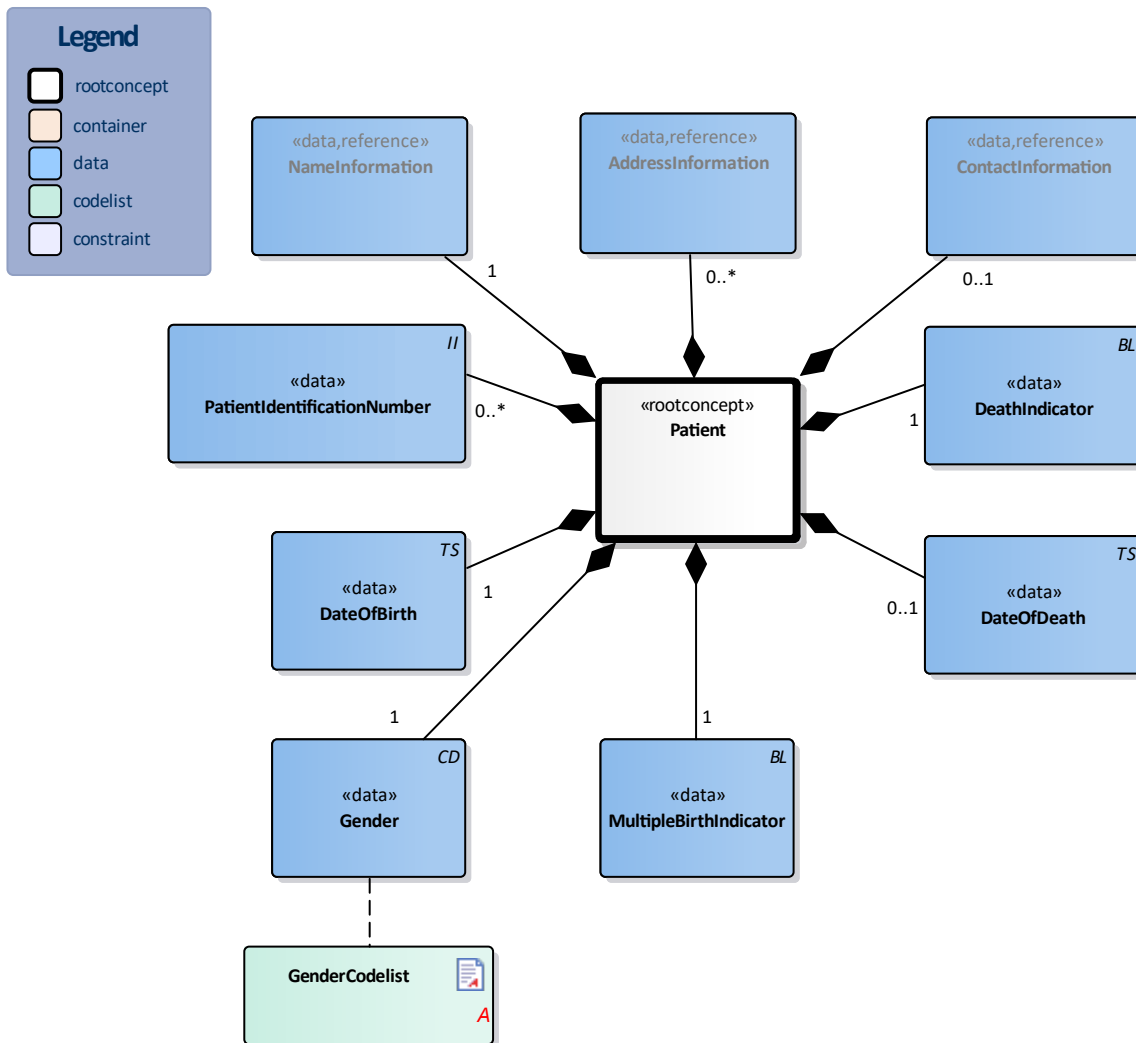
Although the term Patient is not used in all care settings, it has been decided not to change the name of the zib to Person as the overall name for Patient, Client, Participant, etc. because the concept Person is broader than the concept referred to here. Healthprofessionals and contact persons are ultimately also Persons. The name and address information is based on the information set of the Municipal Personal Records Database (GBA) and on the Dutch Implementation Guide: HL7v3 Basic Components.

The information for the legally required verification of a social security number provided by the SBV-Z also follows GBA specifications.

Furthermore, the AZR (AWBZ-wide healthcare registration) data set used in AWBZ healthcare served as a base in determining the set.

Use of patient and personal details must follow the Personal Data Protection Act. This law prohibits processing non-essential personal data and mandates decent and reasonable processing of obtained personal data (Kohnstamm, 2006). Patient data recorded in (electronic) patient records or in digital messages must be handled in the context of the Personal Data Protection Act. Furthermore, healthcare centers must meet the Information Security NEN 7510 standard. Observance of the PDPA is monitored by the Dutch Data Protection Authority (CBP). The CBP and the Healthcare Inspectorate (IGZ) are jointly responsible for monitoring information security in healthcare (CBP, IGZ, 2008). For those reasons, some personal data, seen in some countries as administrative data, are not included in this information model but in the information models for the Social Anamnesis.

## 1.7 Information Model



<b>«rootconcept»</b>	<b>Patient</b>	
<b>Definitie</b>	Root concept of the Patient information model. This root concept contains all data elements of the Patient information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:0.1.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 116154003	Patient
<b>Opties</b>		

<b>«data»</b>	<b>NameInformation</b>	
<b>Definitie</b>	Patient's full name.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:0.1.6	
<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>AddressInformation</b>	
<b>Definitie</b>	Patient's address information.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:0.1.4	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.5.1	This is a reference to the rootconcept of the partial information model AddressInformation.
<b>Opties</b>		

«data»	ContactInformation	
Definitie	Patient's telephone number(s) or e-mail address(es).	
Datatype		
DCM::ConceptId	NL-CM:0.1.5	
DCM::ReferencedConceptId	NL-CM:20.6.1	This is a reference to the rootconcept of partial information model ContactInformation.
Opties		

«data»	PatientIdentificationNumber	
Definitie	The patient's identification number. In transfer situations, use of the social security number (BSN) must comply with the Use of Social Security Numbers in Healthcare Act (Wbsn-z). In other situations, other number systems can be used, such as internal hospital patient numbers for example.	
Datatype	II	
DCM::AssigningAuthority	Burgerservicenummer	OID: 2.16.840.1.113883.2.4.6.3
DCM::ConceptId	NL-CM:0.1.7	
DCM::ExampleValue	111222333	
Opties		

«data»	DateOfBirth	
Definitie	Patient's date of birth. The date of birth is mandatory for a patient. A vague date (such as only the year) is permitted.	
Datatype	TS	
DCM::ConceptId	NL-CM:0.1.10	
DCM::DefinitionCode	LOINC: 21112-8 Birth date	
DCM::ExampleValue	22-03-1999	
Opties		

«data»	Gender	
Definitie	Patient's administrative gender.	
Datatype	CD	
DCM::ConceptId	NL-CM:0.1.9	
DCM::DefinitionCode	LOINC: 46098-0 Sex	
DCM::ExampleValue	Female	
DCM::ValueSet	GenderCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1
Opties		

«data»	MultipleBirthIndicator	
Definitie	An indication stating whether the patient is of a multiple birth.	
Datatype	BL	
DCM::ConceptId	NL-CM:0.1.31	
DCM::ExampleValue	Nee	
Opties		

«data»	DeathIndicator	
Definitie	An indication stating whether the patient has died.	
Datatype	BL	
DCM::ConceptId	NL-CM:0.1.32	

<b>DCM::DefinitionCode</b>	SNOMED CT: 419099009 Patient died (finding)	
<b>DCM::ExampleValue</b>	Neer	
<b>Opties</b>		

<b>«data»</b>	<b>DateOfDeath</b>	
<b>Definitie</b>	The date on which the patient died. A 'vague' date, such as only the year, is permitted.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:0.1.33	
<b>DCM::DefinitionCode</b>	LOINC: 81954-0 Date of death [Date]	
<b>Opties</b>		

<b>«document»</b>	<b>GenderCodelist</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1	
<b>HCIM::ValueSetLanguage</b>	EN	
<b>Opties</b>		

<b>GeslachtCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1</b>	
Concept Name	Concept Code	Coding Syst. 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, V
Unknown	UNK	NullFlavor	2.16.840.1.113883.5.1008	Onbekend, Genderneutraal, X

	<b>Legend</b>
<b>Definitie</b>	
<b>Datatype</b>	
<b>Opties</b>	

## 1.8 Example Instances

<b>Patiënt</b>	
<b>Naamgegevens</b>	
PatiëntIdentificatienummer	111222333
Achternaam	Putten
Voorvoegsels	van
AchternaamPartner	Giessen
VoorvoegselsPartner	van der
Voornamen	Johanna Petronella Maria
Initialen	J.P.M.
Roepnaam	Jo
Geslacht	Vrouw
Geboortedatum	28-04-1934
MeerlingIndicator	Ja
OverlijdensIndicator	Nee
DatumOverlijden	
<b>Adresgegevens*</b>	
Straat	1e Jacob van Campenstr
Huisnummer	15
Woonplaats	Hoogmade
Gemeente	Kaag en Braassem
Postcode	1012 NX
AdresSoort	Woon-/verblijfadres
Land	Nederland
<b>Adresgegevens*</b>	
Straat	Stationsstraat
Huisnummer	11
Woonplaats	Alphen aan den Rijn
Gemeente	
Postcode	2406 AB
AdresSoort	Officieel adres
Land	
<b>Telefoonnummers*</b>	
Telefoonnummer	+31611234567
NummerSoort	Mobiel telefoonnummer
<b>EmailAdressen*</b>	
EmailAdres	giesput@myweb.nl
EmailSoort	Privé e-mailadres

\* Meer dan één adres, telefoonnummer en email adres is mogelijk

## 1.9 Instructions

If both a name and an identification number are given, the name must match the name registered under that identification number, for verification purposes.

## 1.10 Interpretation



## 1.11 Care Process

## 1.12 Example of the Instrument

## 1.13 Constraints

## 1.14 Issues

## 1.15 References

1. DCM Patientgegevens V0.91. [Online] Beschikbaar op:

[http://www.nictiz.nl/uploaded/FILES/htmlcontent/dcm/Nictiz/DCMPatientgegevens\\_V\\_0.91loNL.pdf](http://www.nictiz.nl/uploaded/FILES/htmlcontent/dcm/Nictiz/DCMPatientgegevens_V_0.91loNL.pdf)  
[Geraadpleegd: 23 februari 2015].

2. 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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