

# Health & Care Information Model:

nl.zorg.Patient-v4.3

Status: Final

Release: 2026-1

Release status: Prepublished

Managed by:



# Content

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# 1. nl.zorg.Patient-v4.3

DCM::Codelist	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	17-04-2026
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	21-03-2024
DCM::Supersedes	nl.zorg.Patient-v4.2
DCM::Version	4.3
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

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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.

Publicatieversie 4.2 (15-10-2023)  
Bevat: ZIB-1693.

Publicatieversie 4.3 (15-04-2024)  
Bevat: ZIB-1670, ZIB-2144.

## **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.

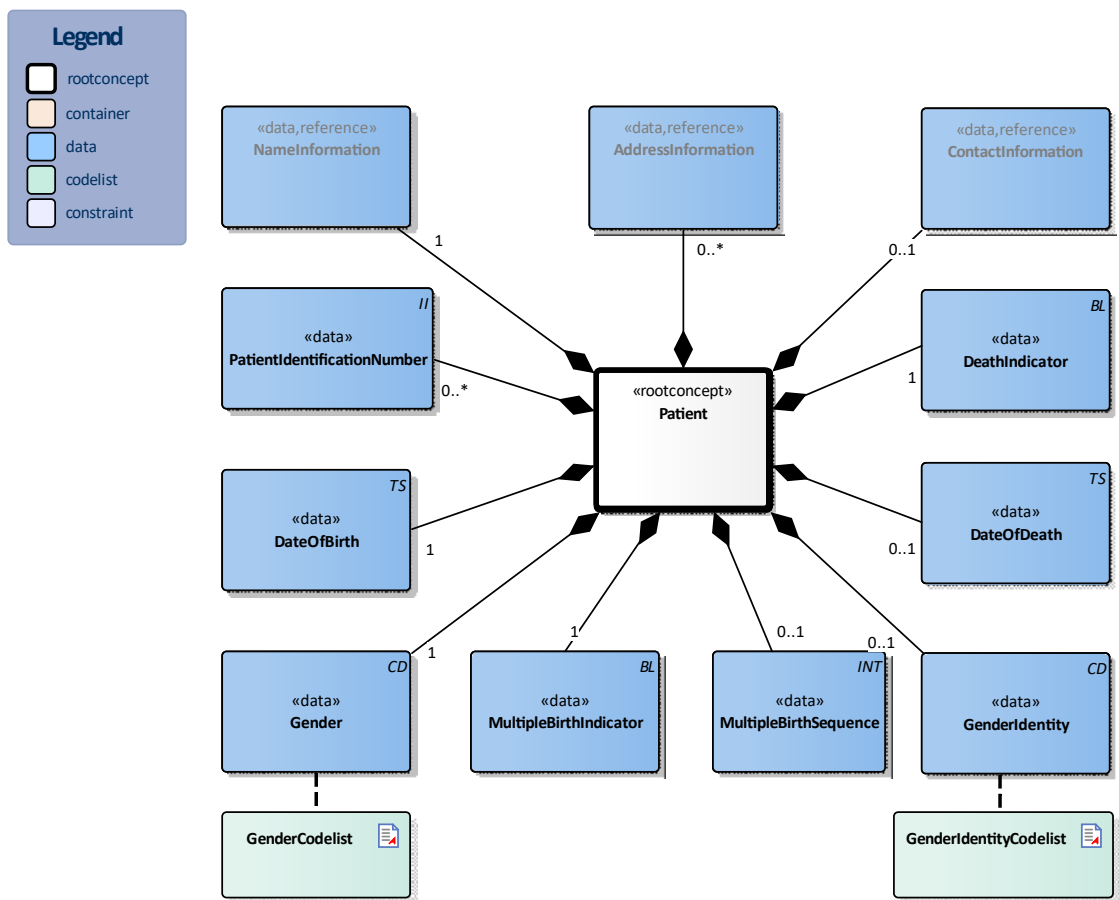
The information for the legally required verification of a social security number provided by the SBV-Z also follows GBA specifications.

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**



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

«data»	NameInformation	
Definitie	Patient's full name.	
Datatype		
DCM::ConceptId	NL-CM:0.1.6	
DCM::ReferencedConceptId	NL-CM:20.4.1	This is a reference to the rootconcept of partial information model NameInformation.
Opties		

«data»	AddressInformation	
Definitie	Patient's address information.	
Datatype		
DCM::ConceptId	NL-CM:0.1.4	
DCM::ReferencedConceptId	NL-CM:20.5.1	This is a reference to the rootconcept of the partial information model AddressInformation.

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

«data»	PatientIdentificationNumber	
<b>Definitie</b>	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.	
<b>Datatype</b>	II	
<b>DCM::AssigningAuthority</b>	Burgerservicenummer	OID: 2.16.840.1.113883.2.4.6.3
<b>DCM::ConceptId</b>	NL-CM:0.1.7	
<b>DCM::ExampleValue</b>	111222333	
<b>Opties</b>		

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

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

«data»	GenderIdentity	
<b>Definitie</b>	The gender with which the person identifies.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:0.1.34	
<b>DCM::DefinitionCode</b>	SNOMED CT: 33821000087103 Gender identity	
<b>DCM::ValueSet</b>	GenderIdentityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.2
<b>Opties</b>		

«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»	MultipleBirthSequence	
Definitie	The birth number in the sequence of a multiple birth. The first birth is given value 1. The middle birth in a triplet birth would be given value 2 and the third birth would have value 3. If multiple birth order is filled then the value of the MultipleIndicator must be "True".	
Datatype	INT	
DCM::ConceptId	NL-CM:0.1.35	
Opties		

«data»	DeathIndicator	
Definitie	An indication stating whether the patient has died.	
Datatype	BL	
DCM::ConceptId	NL-CM:0.1.32	
DCM::DefinitionCode	SNOMED CT: 419099009 Patient died (finding)	
DCM::ExampleValue	Nee	
Opties		

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

«document»	GenderIdentityCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.0.1.2	
DCM::ValueSetIncludeOTH	True	
DCM::ValueSetStatus	Active	
HCIM::ValueSetLanguage	--	
Opties		

GenderidentiteitCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.2	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Identifies as male gender	446151000124109	SNOMED CT	2.16.840.1.113883.6.96	Identificeert zich als man
Identifies as female gender	446141000124107	SNOMED CT	2.16.840.1.113883.6.96	Identificeert zich als vrouw
Identifies as nonbinary gender	33791000087105	SNOMED CT	2.16.840.1.113883.6.96	Identificeert zich als non-binair

«document»	GenderCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1	
DCM::ValueSetInclude OTH	False	
DCM::ValueSetStatus	Active	
HCIM::ValueSetLanguage	EN	
Opties		

GeslachtCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1	
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

	Legend
Definitie	
Datatype	
Opties	

## 1.8 Example Instances



Patiënt	
Geslacht	Vrouw
Genderidentiteit	Identificeert zich als non-binair
Geboortedatum	28-04-1994
MeerlingIndicator	Ja
OverlijdensIndicator	Nee
DatumOverlijden	
Naamgegevens	
PatiëntIdentificatienummer	111222333
Achternaam	Putten
Voorvoegsels	van
AchternaamPartner	Giessen
VoorvoegselsPartner	van der
Voornamen	Johanna Petronella Maria
Initialen	J.P.M.
Roepnaam	Jo
Adresgegevens*	
Straat	1e Jacob van Campenstr
Huisnummer	15
Woonplaats	Hoogmade
Gemeente	Kaag en Braassem
Postcode	1012 NX
AdresSoort	Woon-/verblijfadres
Land	Nederland
Adresgegevens*	
Straat	Stationsstraat
Huisnummer	11
Woonplaats	Alphen aan den Rijn
Gemeente	
Postcode	2406 AB
AdresSoort	Officieel adres
Land	
Telefoonnummers*	
Telefoonnummer	+31611234567
NumerSoort	Mobiel telefoonnummer
EmailAdressen*	
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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