

# **Health & Care Information Model:**

## **nl.zorg.Patient-v4.2**

Status: Final

Release status: Prepublished

# Content

<b>1. nl.zorg.Patient-v4.2</b>	<b>3</b>
1.1 Revision History	3
1.2 Concept	4
1.3 Mindmap	4
1.4 Purpose	4
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances	8
1.9 Instructions	9
1.10 Interpretation	9
1.11 Care Process	10
1.12 Example of the Instrument	10
1.13 Constraints	10
1.14 Issues	10
1.15 References	10
1.16 Functional Model	10
1.17 Traceability to other Standards	10
1.18 Disclaimer	10
1.19 Terms of Use	10
1.20 Copyrights	11

# 1. nl.zorg.Patient-v4.2

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	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	11-09-2023
DCM::Supersedes	nl.zorg.Patient-v4.1
DCM::Version	4.2
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.

Publicatieversie 4.2 (15-10-2023)

Bevat: ZIB-1693.

## **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.

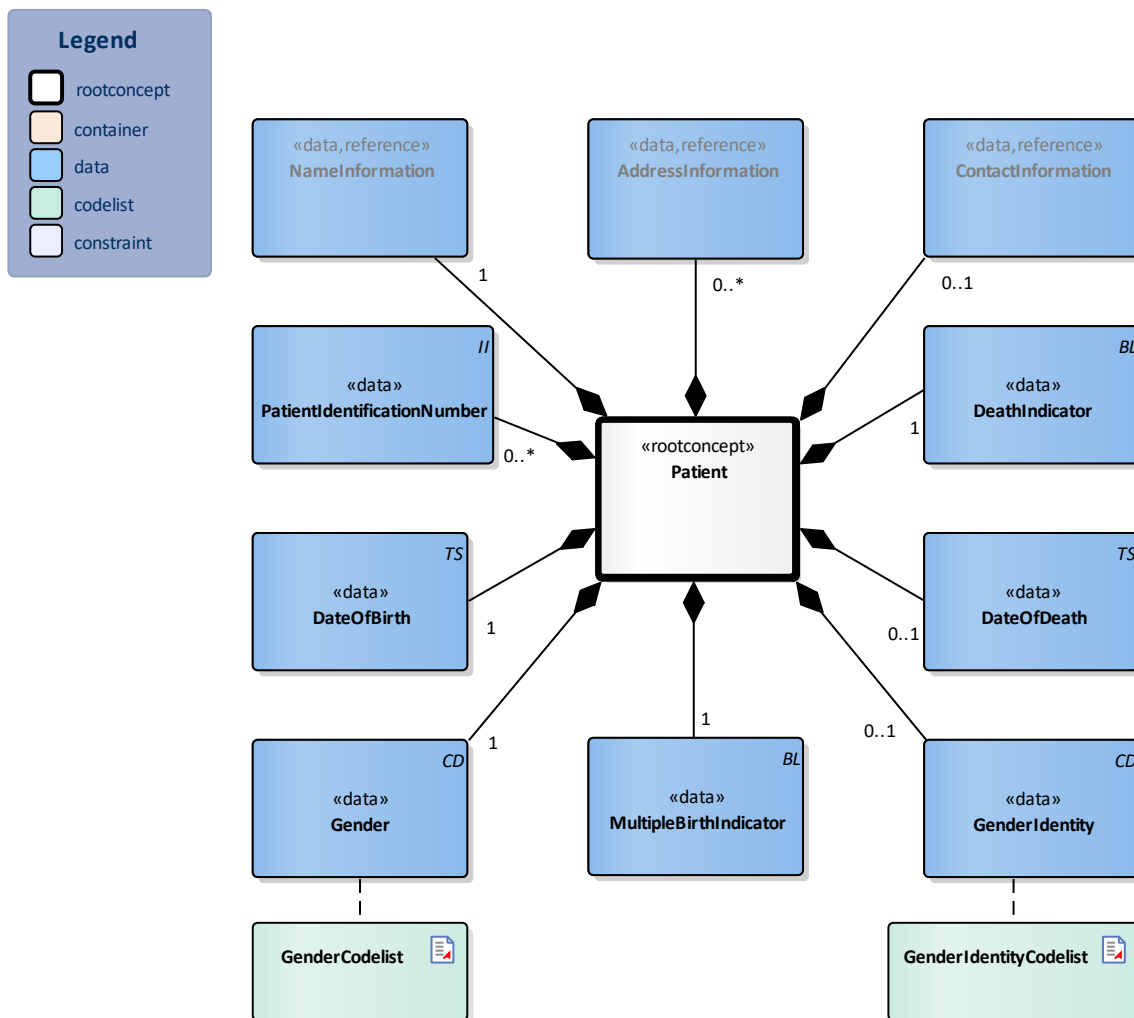
The information for the legally required verification of a social security number provided by the SBV-Z also follows GBA specifications.

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.
Opties		

«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»	GenderIdentity	
Definitie	The gender with which the person identifies.	
Datatype	CD	
DCM::ConceptId	NL-CM:0.1.34	
DCM::DefinitionCode	SNOMED CT: 33821000087103 Gender identity	
DCM::ValueSet	GenderIdentityCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.2
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	
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	2.16.840.1.113883.2.4.3.11.6 0.40.2.0.1.2	
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
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

«document»	GenderCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Required			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.0.1.1			
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
<b>Definitie</b>	
<b>Datatype</b>	
<b>Opties</b>	

## 1.8 Example Instances



Patiënt	
Naamgegevens	
PatiëntIdentificatienummer	111222333
Achternaam	Putten
Voorvoegsels	van
AchternaamPartner	Giessen
VoorvoegselsPartner	van der
Voornamen	Johanna Petronella Maria
Initialen	J.P.M.
Roepnaam	Jo
Geslacht	Vrouw
Genderidentiteit	Identificeert zich als non-binair
Geboortedatum	28-04-1994
MeerlingIndicator	Ja
OverlijdensIndicator	Nee
DatumOverlijden	
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
NummerSoort	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

The Health and Care Information Models (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating parties are not liable for any damages resulting from omissions or inaccuracies in the information provided, nor are they liable for damages resulting from problems caused by or inherent to distributing information on the internet, such as malfunctions, interruptions, errors or delays in information or services provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating parties will also not accept liability for any damages resulting from the use of data, advice or ideas provided by or on behalf of the parties by means of the Health and Care Information Models. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model documents and files, the most recent and highest version of the listed order in the revisions will indicate the priority of the documents in question. If information included in the digital version of a Health and Care Information Model is also distributed in writing, the written version will be leading in case of textual differences. This will apply if both have the same version number and date. A definitive version has priority over a draft version. A revised version has priority over previous versions.

## 1.19 Terms of Use

The user may use the Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

## 1.20 Copyrights

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NC-SA-3.0).

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (see also <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.