

# Health & Care Information Model:

## nl.zorg.Patient-v3.1

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# Content

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# 1. nl.zorg.Patient-v3.1

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	04-09-2017
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	04-09-2017
DCM::Superseeds	nl.zorg.Patient-v3.0
DCM::Version	3.1
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.

## 1.2 Concept

A person who receives medical care.

## **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**

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.

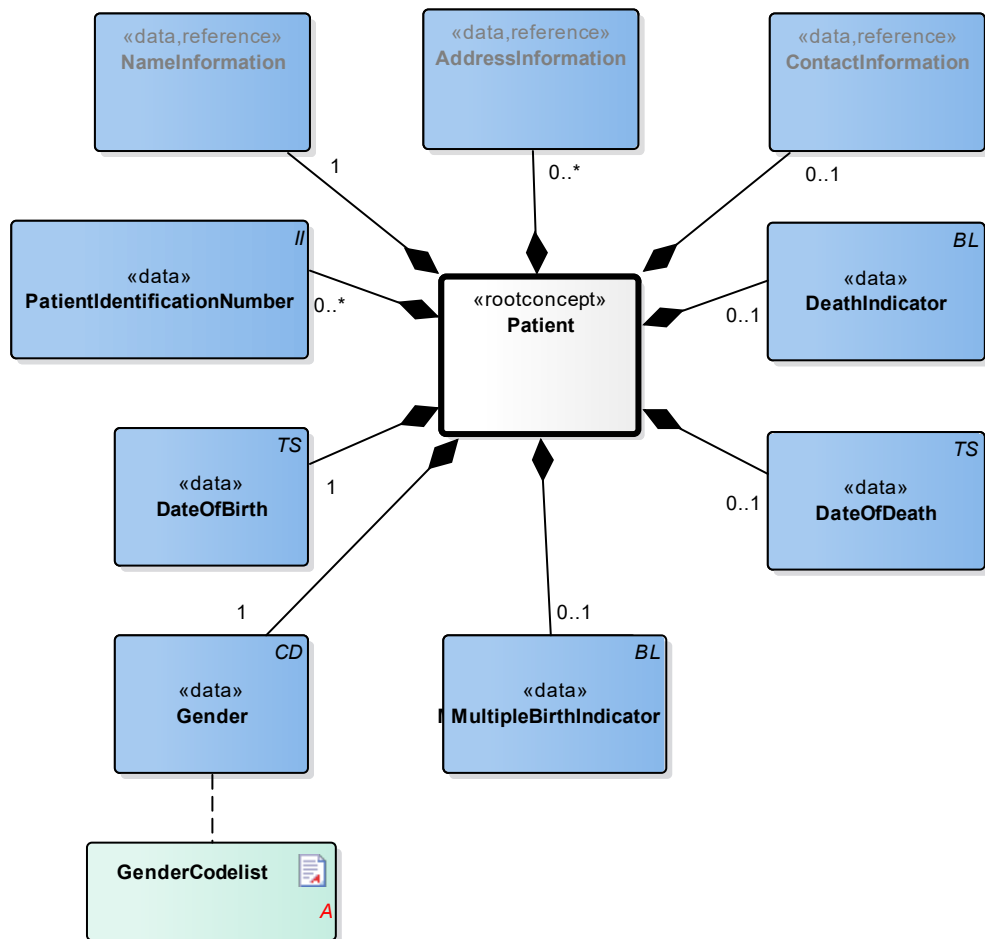
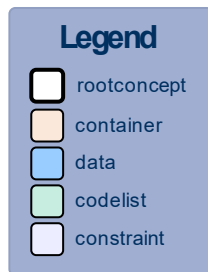
The information for the legally required verification of a social security number provided by the SBV-Z also follows GBA specifications.

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	
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	

<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>		

<b>«data»</b>	<b>ContactInformation</b>	
<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>		

<b>«data»</b>	<b>PatientIdentificationNumber</b>	
<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>		

<b>«data»</b>	<b>DateOfBirth</b>	
<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>		

<b>«data»</b>	<b>Gender</b>	
<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>		

<b>«data»</b>	<b>MultipleBirthIndicator</b>	
<b>Definitie</b>	An indication stating whether the patient is of a multiple birth.	
<b>Datatype</b>	BL	
<b>DCM::ConceptId</b>	NL-CM:0.1.31	

DCM::ExampleValue	Nee	
Opties		

<b>«data»</b>	<b>DeathIndicator</b>	
Definitie	An indication stating whether the patient has died.	
Datatype	BL	
DCM::ConceptId	NL-CM:0.1.32	
DCM::DefinitionCode	SNOMED CT: 397709008	Patient died (finding)
DCM::ExampleValue	Nee	
Opties		

<b>«data»</b>	<b>DateOfDeath</b>	
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		

<b>«document»</b>	<b>GenderCodelist</b>	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1	
Opties		

GeslachtCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.0.1.1	
Concept Name	Concept Code	CodeSystem	CodeSystem 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

## 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
Geboortedatum	28-04-1934
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

This Health and Care Information Model (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 this Health and Care Information Model. 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 this 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.

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