

# Health&Care Information Model: nl.zorg.Vaccinatie

Final

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# 1. nl.zorg.Vaccinatie-v3.0

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	5-10-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.11.1
DCM::KeywordList	vaccinatie, inenting
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Vaccinatie
DCM::PublicationDate	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	1-4-2015
DCM::Superseeds	nl.nfu.Vaccinatie-v1.2
DCM::Version	3.0

## 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

Publicatieversie 1.1 (01-07-2013)

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-124, ZIB-277, ZIB-278, ZIB-279, ZIB-280, ZIB-281, ZIB-282, ZIB-308, ZIB-353.

Incl. algemene wijzigingsverzoeken:

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

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

## 1.2 Concept

Immunization can be defined as “Generating natural immunity against pathogens by means of vaccination (active immunization) or by administering immunoglobulins (passive immunization)”.

Only vaccinations are included in this information model. Administering immunoglobulins is part of the medication overview. Vaccinations have lifelong relevance.

Most vaccinations are carried out in the Netherlands as part of the RVP (Rijksvaccinatieprogramma, National Immunisation Program). RVP information is especially important for children.

Vaccinations are also relevant for adult patients such as transplant patients, dialysis patients and patients

with a post-splenectomy status. In addition, there are specific indications for the vaccination of risk groups, such as travelers, professionals who come into contact with blood or patients with wounds, weakened immune systems or heightened risk.

### **1.3 Mindmap**

### **1.4 Purpose**

Documenting vaccinations that have already taken place in a patient is important for things such as the diagnostics of infectious diseases and the indication and planning of (re)vaccinations.

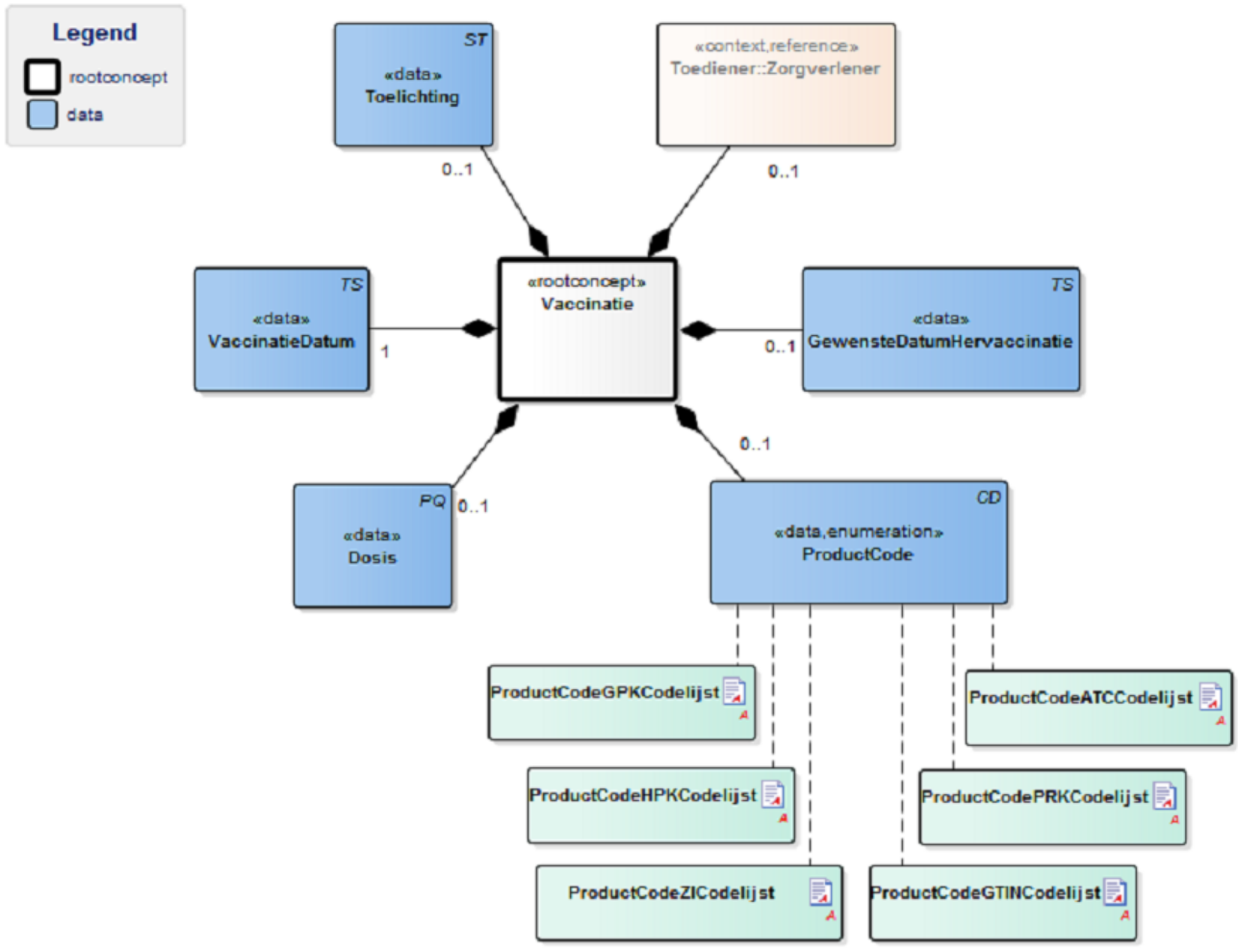
### **1.5 Patient Population**

### **1.6 Evidence Base**

Vaccination documentation contains far fewer data elements than medication documentation. Medication concerns a running order process with many participants (patient, prescriber, pharmacy, administrator) and complex, very diverse details.

Vaccinations are only about what was administered and when.

### **1.7 Information Model**



<b>«rootconcept»</b>	<b>Vaccinatie</b>	
<b>Alias</b>	EN: Vaccination	
<b>Definition</b>	Root concept of the Vaccination information model. This root concept contains all data elements of the Vaccination information model.	
<b>Datatype</b>		
<b>DCM::DefinitionCode</b>	NL-CM:11.1.1	
<b>Options</b>		

<b>«data»</b>	<b>ProductCode</b>	
<b>Alias</b>	EN: ProductCode	
<b>Definition</b>	<p>The product code of the vaccine administered.</p> <p>There are several possible code systems for documenting the product code. If the vaccination data is registered based on an anamnesis, coding with the ATC code is preferred. In all cases it concerns those products that fall under ATC group J07 (vaccines).</p>	
<b>Datatype</b>	CD	
<b>DCM::DefinitionCode</b>	NL-CM:11.1.2	
<b>DCM::ExampleValue</b>	HEPATITIS A, GEINACTIEERD, INTACT VIRUS (ATC:J07BC02)	
<b>DCM::ValueSet</b>	ProductCodeGTINCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.5
<b>DCM::ValueSet</b>	ProductCodePRKCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1

DCM::ValueSet	ProductCodeATCCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.4
DCM::ValueSet	ProductCodeHPKCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.2
DCM::ValueSet	ProductCodeZICodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.6
DCM::ValueSet	ProductCodeGPKCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3
Options		

«data»	Dosis	
Alias	EN: Dose	
Definition	The amount of product administered shown in milliliters. In most cases, the entire product is administered; in some cases, a described part of the product is administered.	
Datatype	PQ	
DCM::DefinitionCode	NL-CM:11.1.4	
DCM::ExampleValue	1 ml	
Options		

«data»	VaccinatieDatum	
Alias	EN: VaccinationDate	
Definition	Date (and if possible time) that the vaccine was administered.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:11.1.3	
DCM::ExampleValue	2012-10-05	
Options		

«data»	GewensteDatumHervaccinatie	
Alias	EN: DesiredDateForRevaccination	
Definition	Date on which this vaccination will have to be repeated according to the author's information.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:11.1.5	
Options		

«context»	Toediener::Zorgverlener	
Alias	EN: Administrator::HealthcareProvider	
Definition	The healthcare provider and/or organization where or by whom the immunization was done.	
Datatype		
DCM::DefinitionCode	NL-CM:11.1.6	
DCM::ReferencedDefinitionCode	NL-CM:17.1.1	This is a reference to concept Zorgverlener in information model Zorgverlener
Options		

«data»	Toelichting	
Alias	EN: Explanation	
Definition	Free text explanation.  Examples of commonly used explanations are:	

	- "Vaccination according to the National Immunisation Program". - "Not according to the National Immunisation Program", followed by further explanation. - "Unknown"	
<b>Datatype</b>	ST	
<b>DCM::DefinitionCode</b>	NL-CM:11.1.7	
<b>DCM::ExampleValue</b>	Vaccinatie volgens Rijksvaccinatieprogramma	
<b>Options</b>		

<b>«document»</b>	<b>ProductCodeATCCodelijst</b>	
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		
<b>Options</b>		
<b>ProductCodeATCCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.4</b>
<b>Codes</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>
Alle waarden	Anatomic Therapeutic Classification (ATC)	2.16.840.1.113883.6.73

<b>«document»</b>	<b>ProductCodeGPKCodelijst</b>	
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		
<b>Options</b>		
<b>ProductCodeGPKCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3</b>
<b>Codes</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>
Alle waarden	G-Standaard Generieke Product Kode (GPK)	2.16.840.1.113883.2.4.4.1

<b>«document»</b>	<b>ProductCodeGTINCodelijst</b>	
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		
<b>Options</b>		
<b>ProductCodeGTINCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.5</b>
<b>Codes</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>
Alle waarden	Global Trade Item Number (GTIN)	1.3.160

<b>«document»</b>	<b>ProductCodeHPKCodelijst</b>	
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		

<b>Options</b>		
<b>ProductCodeHPKCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.2</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	G-Standaard Handels Product Kode (HPK)	2.16.840.1.113883.2.4.4.7

<b>«document» ProductCodePRKCodelijst</b>		
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		
<b>Options</b>		
<b>ProductCodePRKCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	G-Standaard Voorschrijfproducten (PRK)	2.16.840.1.113883.2.4.4.10

<b>«document» ProductCodeZICodelijst</b>		
<b>Alias</b>		
<b>Definition</b>		
<b>Datatype</b>		
<b>Options</b>		
<b>ProductCodeZICodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.6</b>
Codes	Coding Syst. Name	Coding System OID
Alle waarden	G-Standaard Artikelen (ook KNMP-nummer, ATKODE)	2.16.840.1.113883.2.4.4.8

## 1.8 Example Instances

ProductCode	Vaccinatie Datum	Toelichting	GewensteDatum Hervaccinatie	Toediener
DKTP/HIB vaccin	05-03-1999	Volgens Rijksvaccinatie programma.		

ProductCode	Vaccinatie Datum	Toelichting	GewensteDatum Hervaccinatie	Toediener
Hepatitis A vaccin	03-06-2012	Bezoek aan Guatemala.	2014	OrganisatieNaam GG&GD Nijmegen



## **1.9 Instructions**

## **1.10 Interpretation**

## **1.11 Care Process**

## **1.12 Example of the Instrument**

## **1.13 Constraints**

## **1.14 Issues**

## **1.15 References**

1. G-standaard [Online] Beschikbaar op: <http://www.z-index.nl/> [Geraadpleegd: 23 februari 2015].
2. Rijksvaccinatieprogramma [Online] Beschikbaar op: <http://www.rivm.nl/Onderwerpen/Onderwerpen/R/Rijksvaccinatieprogramma> [Geraadpleegd: 23 februari 2015].

## **1.16 Traceability to other Standards**

## **1.17 Disclaimer**

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