

Health & Care Information Model:

nl.zorg.Vaccination-v6.0.1

Status: Final

Release: 2024

Release status: Published

Managed by:



Content

1. nl.zorg.Vaccination-v6.0.1	3
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	8
1.10 Interpretation	8
1.11 Care Process	8
1.12 Example of the Instrument	8
1.13 Constraints	9
1.14 Issues	9
1.15 References	9
1.16 Traceability to other Standards	9
1.17 Disclaimer	9
1.18 Terms of Use	9
1.19 Copyrights	9

1. nl.zorg.Vaccination-v6.0.1

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	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	23-04-2025
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	09-04-2024
DCM::Supersedes	nl.zorg.Vaccinatie-v6.0
DCM::Version	6.0.1
HCIM::PublicationLanguage	EN

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.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-564.

Publicatieversie 3.2 (01-10-2018)

Bevat: ZIB-664.

Publicatieversie 4.0 (06-07-2019)

Bevat: ZIB-821.

Publicatieversie 4.1 (01-12-2021)

Bevat: ZIB-1542.

Publicatieversie 5.0 (10-06-2022)

Bevat: ZIB-1447, ZIB-1654, ZIB-1669.

Publicatieversie 6.0 (15-10-2023)

Bevat: ZIB-1829, ZIB-1830, ZIB-1831, ZIB-1833, ZIB-1846, ZIB-1974.

Publicatieversie 6.0.1 (15-04-2024)

Bevat: ZIB-2132.

1.2 Concept

Immunisation can be defined as "The generation of natural immunity against pathogens by vaccination (active immunisation) or by administration of immunoglobulins (passive immunisation)".

Only vaccinations (administered and scheduled) are included in this building block. The administration of immunoglobulins is part of the medication overview. Vaccinations have lifelong relevance.

Most vaccinations are carried out in the Netherlands as part of the National Vaccination Programme (RVP).

Vaccinations are also relevant in adult patients such as transplant patients, dialysis patients and patients with status after spleen aspiration. In addition, there are specific indications for vaccination of high-risk groups, such as travellers, professionals who come into contact with blood or patients with injuries, impaired immunity or increased risk.

1.3 Mindmap

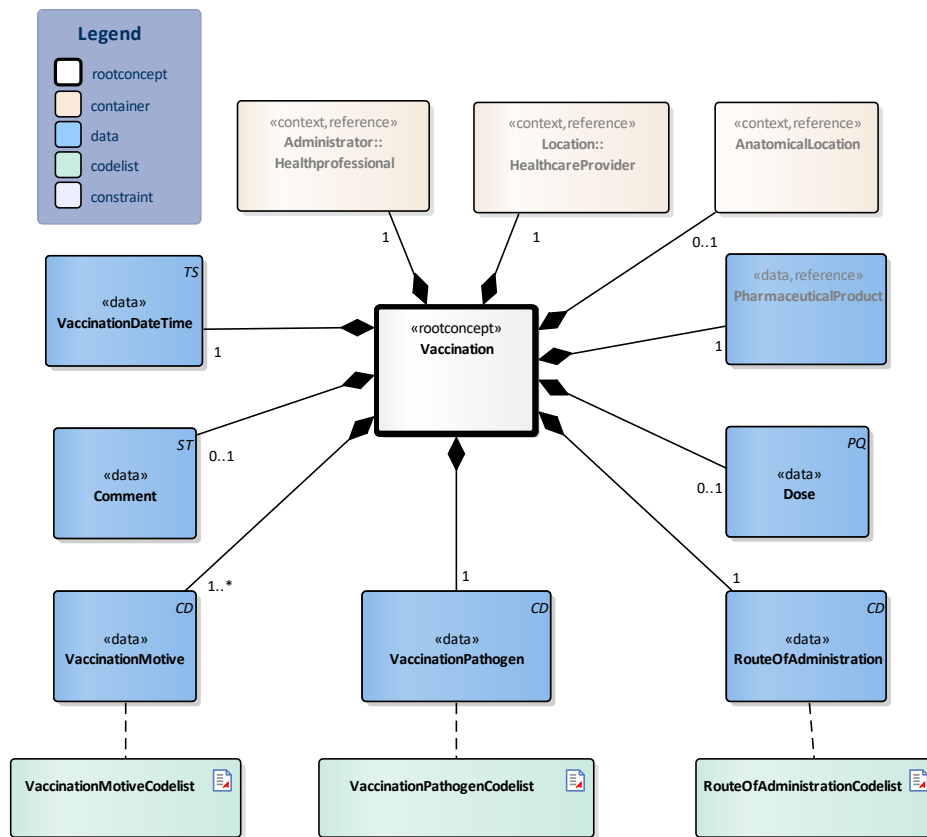
1.4 Purpose

Documenting vaccinations that have already taken place in a patient or are planned 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

1.7 Information Model



«rootconcept»	Vaccination	
Definitie	Root concept of the Vaccination information model. This root concept contains all data elements of the Vaccination information model.	
Datatype		
DCM::ConceptId	NL-CM:11.1.1	
Opties		

«data»	VaccinationDateTime	
Definitie	Date (and if possible time) that the vaccine is administered. In the case of a historical vaccination, a vague date (month, year) is allowed.	
Datatype	TS	
DCM::ConceptId	NL-CM:11.1.3	
DCM::ExampleValue	2012-10-05	
Opties		

«context»	Location::HealthcareProvider	
Definitie	The healthcare provider where the vaccination is or will be carried out.	
Datatype		
DCM::ConceptId	NL-CM:11.1.8	
DCM::ReferencedConceptId	NL-CM:17.2.1	This is a reference to the rootconcept of information model HealthcareProvider.
Opties		

«context»	Administrator::Healthprofessional	
Definitie	The healthcare provider by whom the vaccination was done or will be done.	
Datatype		
DCM::ConceptId	NL-CM:11.1.6	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional
Opties		

«data»	PharmaceuticalProduct	
Definitie	The pharmaceutical product of the administered vaccination	
Datatype		
DCM::ConceptId	NL-CM:11.1.9	
DCM::ReferencedConceptId	NL-CM:9.7.19926	This is a reference to the rootconcept of information model PharmaceuticalProduct.
Opties		

«context»	AnatomicalLocation	
Definitie	The location on the body where the vaccination was administered.	
Datatype		
DCM::ConceptId	NL-CM:11.1.13	
DCM::ReferencedConceptId	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicalLocation.
Opties		

«data»	Dose	
Definitie	The amount of product administered. In most cases, the entire product is administered; in some cases, a described part of the product is administered.	
Datatype	PQ	
DCM::ConceptId	NL-CM:11.1.4	
DCM::ExampleValue	1 ml	
Opties		

«data»	Comment	
Definitie	Comment on the vaccination	
Datatype	ST	
DCM::ConceptId	NL-CM:11.1.7	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::ExampleValue	Vaccinatie volgens Rijksvaccinatieprogramma	
Opties		

«data»	RouteOfAdministration	
Definitie	The route by which the vaccine is came into the body.	
Datatype	CD	
DCM::ConceptId	NL-CM:11.1.12	
DCM::DefinitionCode	SNOMED CT: 410675002 Route of administration	
DCM::ValueSet	RouteOfAdministrationCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3
Opties		

«data»	VaccinationMotive	
Definitie	Displays the trigger based on what the vaccine was administered.	
Datatype	CD	
DCM::ConceptId	NL-CM:11.1.10	
DCM::DefinitionCode	SNOMED CT: 159941000146109 Reason for vaccination	
DCM::ValueSet	VaccinationMotiveCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1

Opties	
--------	--

«data»	VaccinationPathogen	
Definitie	The disease or pathogeen against what the vaccination is primarily given.	
Datatype	CD	
DCM::ConceptId	NL-CM:11.1.11	
DCM::ValueSet	VaccinationPathogenCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.2
Opties		

«document»	RouteOfAdministrationCodelist		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3		
DCM::ValueSetInclude OTH	True		
DCM::ValueSetStatus	Active		
HCIM::ValueSetLanguage	NL		
Opties			
ToedieningswegCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3	
Codes		Coding Syst. Name	Coding System OID
Alle waarden		G-Standaard Toedieningswegen	2.16.840.1.113883.2.4.4.9

«document»	VaccinationMotiveCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1			
DCM::ValueSetInclude OTH	True			
DCM::ValueSetStatus	Active			
HCIM::ValueSetLanguage	NL			
Opties				
VaccinatieAanleidingCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Vaccination needed as part of immunization programme	159741000146107	SNOMED CT	2.16.840.1.113883.6.96	Vaccinatieprogramma
Vaccination needed as part of national immunization programme	159731000146104	SNOMED CT	2.16.840.1.113883.6.96	Rijksvaccinatieprogramma
Occupational vaccination needed	159721000146101	SNOMED CT	2.16.840.1.113883.6.96	Immunisatie nodig voor werk
Elective immunization for international travel	14747002	SNOMED CT	2.16.840.1.113883.6.96	Reizigersvaccinatie

«document»	VaccinationPathogenCodelist			
Definitie				
Datatype				
DCM::ValueSetBinding	Extensible			
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.11.1.2			
DCM::ValueSetIncludeOTH	True			
DCM::ValueSetStatus	Active			
HCIM::ValueSetLanguage	NL			
Opties				
VaccinatieZiekteverwekkerCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.2		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Influenza	6142004	SNOMED CT	2.16.840.1.113883.6.96	Influenza
Pneumococcal infectious disease	16814004	SNOMED CT	2.16.840.1.113883.6.96	Infectieziekte door Streptococcus pneumoniae
COVID-19	840539006	SNOMED CT	2.16.840.1.113883.6.96	COVID-19
Inflammatory disease of liver	128241005	SNOMED CT	2.16.840.1.113883.6.96	Hepatitis
Tetanus	76902006	SNOMED CT	2.16.840.1.113883.6.96	Tetanus

	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

Vaccinatie DatumTijd	Locatie	FarmaceutischProduct	Toedieningsweg	VaccinatieAanleiding
	Zorgaanbieder	ProductCode		
05-03-1999	GGZ NHN	DKTP/HIB vaccin	Intramusculair	Rijksvaccinatie programma.

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

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.

1.18 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.

1.19 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.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl

