

Health & Care Information Model:

nl.zorg.Vaccination-v5.0

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1. nl.zorg.Vaccination-v5.0

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
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DCM::RevisionDate	19-05-2022
DCM::Supersedes	nl.zorg.Vaccinatie-v4.1
DCM::Version	5.0
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.

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 the (administered and planned) 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

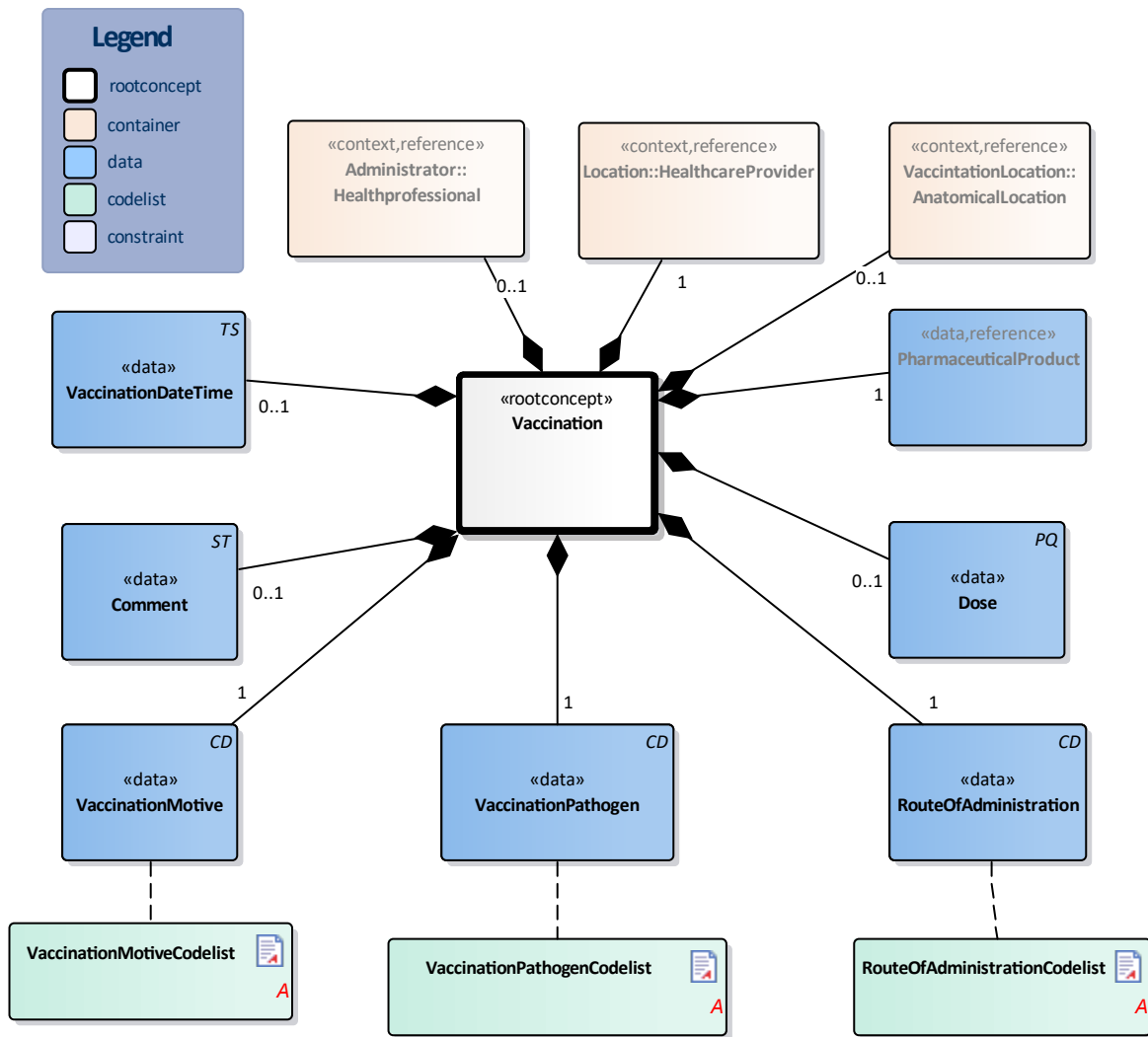
1.4 Purpose

Documenting vaccinations that have already taken place in a patient 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 center where the vaccination is or 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:9.7.1	This is a reference to the rootconcept of information model PharmaceuticalProduct.
Opties		

«context»	VaccinationLocation::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 pathoegen 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	
HCIM::ValueSetLanguage	NL	
Opties		

ToedieningswegCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.3	
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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	
HCIM::ValueSetLanguage	NL	
Opties		

VaccinatieAanleidingCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.11.1.1		
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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			
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

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Nictiz

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

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



