

# **Health & Care Information Model: nl.zorg.AdministrationAgreement-v2.1**

Status: Final

Release status: Prepublished

# Content

<b>1. nl.zorg.AdministrationAgreement-v2.1 .....</b>	<b>3</b>
1.1 Revision History .....	3
1.2 Concept .....	3
1.3 Mindmap .....	3
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 .....	9
1.11 Care Process .....	9
1.12 Example of the Instrument .....	9
1.13 Constraints .....	9
1.14 Issues .....	9
1.15 References .....	9
1.16 Functional Model .....	9
1.17 Traceability to other Standards .....	9
1.18 Disclaimer .....	9
1.19 Terms of Use .....	9
1.20 Copyrights .....	10

# 1. nl.zorg.AdministrationAgreement-v2.1

DCM::CoderList	Projectgroep Medicatieproces
DCM::ContactInformation.Address	
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	
DCM::ContentAuthorList	Projectgroep Medicatieproces
DCM::CreationDate	1-2-2017
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.9.8
DCM::KeywordList	Medicatie, Toediening
DCM::LifecycleStatus	Final
DCM::ModelerList	Architectuurgroep Registratie aan de Bron
DCM::Name	nl.zorg.Toedieningsafpraak
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Medicatieproces & Architectuurgroep Registratie aan de Bron
DCM::RevisionDate	17-07-2023
DCM::Supersedes	nl.zorg.Toedieningsafpraak-v2.0
DCM::Version	2.1
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.0.1 (31-12-2017)

Bevat: ZIB-643.

Publicatieversie 1.0.2 (31-01-2020)

Bevat: ZIB-888.

Publicatieversie 1.0.3 (01-09-2020)

Bevat: ZIB-911, ZIB-1006.

Publicatieversie 1.1 (01-12-2021)

Bevat: ZIB-1261, ZIB-1454, ZIB-1457, ZIB-1468.

Publicatieversie 2.0 (10-06-2022)

Bevat: ZIB-1685, ZIB-1690, ZIB-1695, ZIB-1722.

Publicatieversie 2.1 (15-10-2023)

Bevat: ZIB-1771, ZIB-1940.

## 1.2 Concept

An administration agreement is the use (or administering) instructions from the pharmacist to the patient (or their representative or administrator), whereby a medication agreement is structured at a concrete level.

## 1.3 Mindmap

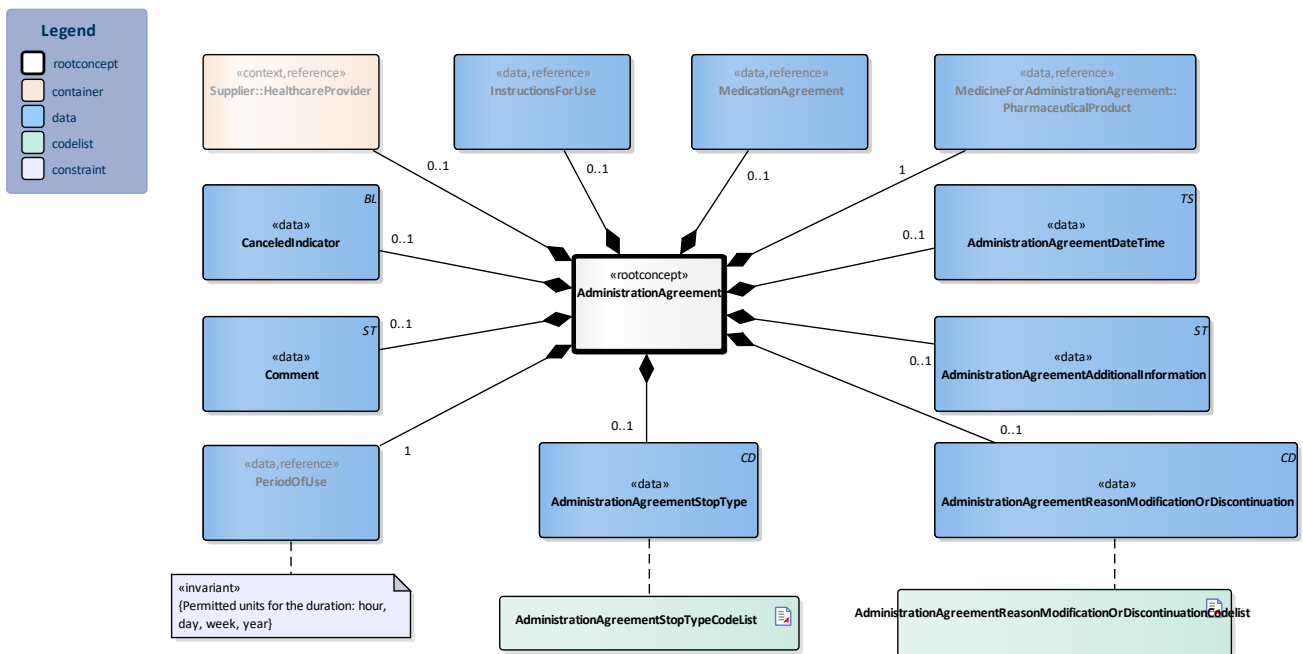
## 1.4 Purpose

The goal of the administration agreement is to provide insight into the concrete instructions for administration/use of medication.

## 1.5 Patient Population

## 1.6 Evidence Base

## 1.7 Information Model



«rootconcept»	AdministrationAgreement	
<b>Definitie</b>	Root concept of the AdministrationAgreement information model. This root concept contains all data elements of the AdministrationAgreement information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.20132	
<b>DCM::DefinitionCode</b>	SNOMED CT: 422037009 Provider medication administration instructions (procedure)	
<b>Opties</b>		

«data»	AdministrationAgreementReasonModificationOrDiscontinuation	
<b>Definitie</b>	Reason for modification or discontinuation of this agreement. This will often be the same reason as the one for modification or discontinuation of the medication agreement. This field has the option to - if applicable - enter a specific reason for modification or discontinuation of the administration agreement	
<b>Datatype</b>	CD	

<b>DCM::ConceptId</b>	NL-CM:9.8.22499	
<b>DCM::DefinitionCode</b>	SNOMED CT: 160121000146101 Reason for change of drug administration instructions	
<b>DCM::ValueSet</b>	AdministrationAgreementReasonModificationOrDiscontinuationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.8.3
<b>Opties</b>		

<b>«data»</b>	<b>AdministrationAgreementAdditionalInformation</b>	
<b>Definitie</b>	Additional information includes details on the structure of the agreement made.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:9.8.23284	
<b>Opties</b>		

<b>«context»</b>	<b>Supplier::HealthcareProvider</b>	
<b>Definitie</b>	The supplier (healthcare provider) that entered the administration agreement.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.22097	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.2.1	This is a reference to the rootconcept of information model HealthcareProvider
<b>Opties</b>		

<b>«data»</b>	<b>MedicineForAdministrationAgreement::PharmaceuticalProduct</b>	
<b>Definitie</b>	Medicine in the AdministrationAgreement.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.20237	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.7.19926	This is a reference to the rootconcept of partial information model PharmaceuticalProduct.
<b>Opties</b>		

<b>«data»</b>	<b>InstructionsForUse</b>	
<b>Definitie</b>	Instructions for administering the medication, e.g. dose and route of administration.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.22098	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.12.22504	This is a reference to the rootconcept of partial information model InstructionsForUse.
<b>Opties</b>		

<b>«data»</b>	<b>AdministrationAgreementDateTime</b>	
<b>Definitie</b>	The time at which the agreement was made.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:9.8.20133	
<b>Opties</b>		

<b>«data»</b>	<b>PeriodOfUse</b>	
<b>Definitie</b>	<STRONG>Start date:</STRONG> This is the time at which the agreement	

	<p>was to take effect (or took effect or will take effect). This is the time at which the instructions for use in this agreement start. In the case of an agreement to discontinue use, this is the start date of the original administration agreement. The end date indicates from when the medication is to be discontinued.</p> <p>&lt;STRONG&gt;Duration&lt;/STRONG&gt;: The intended duration of use. E.g. 5 days or 8 weeks. It is not allowed to indicate the duration in months, because different months have a variable duration in days.</p> <p>&lt;STRONG&gt;End date&lt;/STRONG&gt;: The time at which the period of use ends (or ended or will end). In the case of an agreement to discontinue use, this is the time at which the medication is to be discontinued. To avoid confusion between 'to' and 'up until and including', the submission of time is always mandatory for the end date. &lt;br /&gt;&lt;br /&gt;With medication for an indefinite period only a start date is indicated.</p>	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.22660	
<b>DCM::ReferencedConceptId</b>	NL-CM:20.3.1	This is a reference to the rootconcept of partial information model TimeInterval.
<b>Opties</b>		

<b>«data»</b>	<b>MedicationAgreement</b>	
<b>Definitie</b>	Relationship to the medication agreement on which the administration agreement is based.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.8.22394	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.6.9580	This is a reference to the rootconcept information model MedicationAgreement.
<b>Opties</b>		

<b>«data»</b>	<b>AdministrationAgreementStopType</b>	
<b>Definitie</b>	Stop type, the manner in which this medication is discontinued (temporary or definitive).	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:9.8.22498	
<b>DCM::ValueSet</b>	AdministrationAgreementStopTypeCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.8.1
<b>Opties</b>		

<b>«data»</b>	<b>CanceledIndicator</b>	
<b>Definitie</b>	In the event of an error correction, this indicator is to be put on for the incorrect agreement.	
<b>Datatype</b>	BL	
<b>DCM::ConceptId</b>	NL-CM:9.8.23034	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comments on the administration agreement.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:9.8.22275	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>AdministrationAgreementReasonModificationOrDiscontinuationCodeList</b>	
-------------------	---	--

<b>Definitie</b>				
<b>Datatype</b>				
<b>DCM::ValueSetBinding</b>	Extensible			
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.6 0.40.2.9.8.3			
<b>HCIM::ValueSetLanguage</b>	--			
<b>Opties</b>				
<b>ToedieningsafsprakenWijzigenOfStakenCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.8.3</b>		
<b>Concept Name</b>	<b>Concept Code</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>	<b>Description</b>
Adverse reaction to drug	62014003	SNOMED CT	2.16.840.1.113883.6.96	Ongewenste reactie op medicatie en/of drugs
Administration of medication contraindicated	438833006	SNOMED CT	2.16.840.1.113883.6.96	Toedienen van medicatie gecontra-indiceerd
Medication interaction	79899007	SNOMED CT	2.16.840.1.113883.6.96	Geneesmiddelinteractie
Lack of drug action	58848006	SNOMED CT	2.16.840.1.113883.6.96	Gebrek aan geneesmiddeleffect
Drug action too strong	112251000146103	SNOMED CT	2.16.840.1.113883.6.96	Te sterk effect van medicatie
Insufficient route of drug administration	112191000146101	SNOMED CT	2.16.840.1.113883.6.96	Medicatie-toedieningsweg voldoet niet
Drug treatment not indicated	183966005	SNOMED CT	2.16.840.1.113883.6.96	Geen indicatie voor medicamenteuze behandeling
Medication management changed	112751000146109	SNOMED CT	2.16.840.1.113883.6.96	Medicatiebeleid veranderd
Patient requested modification of treatment	159711000146106	SNOMED CT	2.16.840.1.113883.6.96	Verzoek van zorgafnemer om behandeling te wijzigen
Treatment previous prescriber continued	112261000146100	SNOMED CT	2.16.840.1.113883.6.96	Hervatten van beleid van vorige voorschrijver
Admission to establishment	305335007	SNOMED CT	2.16.840.1.113883.6.96	Opname in instelling
Planned procedure	405613005	SNOMED CT	2.16.840.1.113883.6.96	Verrichting gepland
Incorrect registration of medication	159691000146109	SNOMED CT	2.16.840.1.113883.6.96	Foutieve registratie van medicatie
Drug not available - out of stock	182856006	SNOMED CT	2.16.840.1.113883.6.96	Geneesmiddel niet voorradig
Change in laboratory test finding	160131000146104	SNOMED CT	2.16.840.1.113883.6.96	Verandering in labwaarde
Duplicate registration of medication treatment	160161000146108	SNOMED CT	2.16.840.1.113883.6.96	Dubbele registratie van medicamenteuze behandeling
Patient takes medication as prescribed	112221000146107	SNOMED CT	2.16.840.1.113883.6.96	Medicatiegebruik van patiënt volgens afspraak
Overig	OTH	NullFlavor	2.16.840.1.113883.5.1008	Overig

<b>«document»</b>	<b>AdministrationAgreementStopTypeCodeList</b>		
<b>Definitie</b>			
<b>Datatype</b>			
<b>DCM::ValueSetBinding</b>	Required		

DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.6 0.40.2.9.8.1		
HCIM::ValueSetLanguage	NL		
Opties			
<b>ToedieningsafpraakStopTypeCodelijst</b>		<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.8.1</b>	
Concept Name	Concept Code	Coding Syst. Name	Description
Drug therapy temporarily stopped	113381000146106	SNOMED CT	Tijdelijke onderbreking van medicamenteuze behandeling (bijvoorbeeld tijdelijk stoppen gebruik vanwege operatie).
Drug therapy definitely stopped	113371000146109	SNOMED CT	Het staken van een bestaande medicamenteuze behandeling.

Legend	
Definitie	
Datatype	
Opties	

«invariant» Constraint	
Definitie	Permitted units for the duration: hour, day, week, year
Datatype	
Opties	

## 1.8 Example Instances

ToedieningsafpraakDatumTijd	Gebruiksperiode			GeneesmiddelBijToedieningsafpraak	Verstrekker	Geannuleerd Indicator	ToedieningsafpraakStoptype
	Ingangsdatum	Einddatum	Duur	ProductCode	Zorgaanbieder		
2-5-2012 12:14:09	02-05-12		4 weken	Paracetamol tablet 500 mg	Apotheek De Gulle Gaper		
10-9-2015 9:16:31			5 dagen	Pantoprazol injpdr 40 mg fl	Apotheek De Gulle Gaper	Ja	
19-9-2014 7:12:59	19-09-14	18-12-14		Dalteparine 2500 injvlst 12.500 ie/ml wwsp 0,2ml	Poli-apotheek Het Ziekenhuis		
30-8-2013 8:41:43	01-08-13	30-08-13		Prednison 5 mg	Poli-apotheek Het Ziekenhuis		Definitief

Gebruiksaanwijzing	ToedieningsWeg	Herhaalperiode CyclischSchema	Doseerinstructie	Doseerduur	Dosering   Keerdosis	Toedieningsschema   Frequentie   Intervval   Toedientijd   Weekdag   Dagdeel	Zo nodig
Vanaf 2 mei gedurende 4 weken zo nodig bij pijn 500 mg (=1 st), max. 4x per dag	oraal	1	4 weken	4 weken	1 stuk	max. 4x/dag	Bij pijn
Gedurende 5 dagen 1x/dag (8u) 40 mg (=1 st)	iv				40 mg (=1 st)	1x per dag om 8.00 uur	
Vanaf 19-9-2014 tot 18-12-2014 1x per dag om 18uur 2500ie(=0,2ml)	subcutaan				2500 IE (=0,2 ml)	1x per dag om 18.00 uur	
Van 1-8-2013 tot 30-8-2013 volgens afbouwschema. Per 30-8-2013 onderbreken.	oraal	1					

## 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**

## **1.16 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 Model 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.