

# Health & Care Information Model: nl.zorg.MedicationAgreement-v1.0

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# Content

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# 1. nl.zorg.MedicationAgreement-v1.0

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	2.16.840.1.113883.2.4.3.11.60.40.3.9.6
DCM::KeywordList	Medicatie, Afspraak
DCM::LifecycleStatus	Final
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DCM::PublicationDate	04-09-2017
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DCM::Superseeds	nl.zorg.MedicatieVoorschrift-v3.0
DCM::Version	1.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 1.2 Concept

A medication agreement is a prescriber's proposal for a patient to use medication. An agreement to discontinue the use of medication is also a medication agreement.

## 1.3 Mindmap

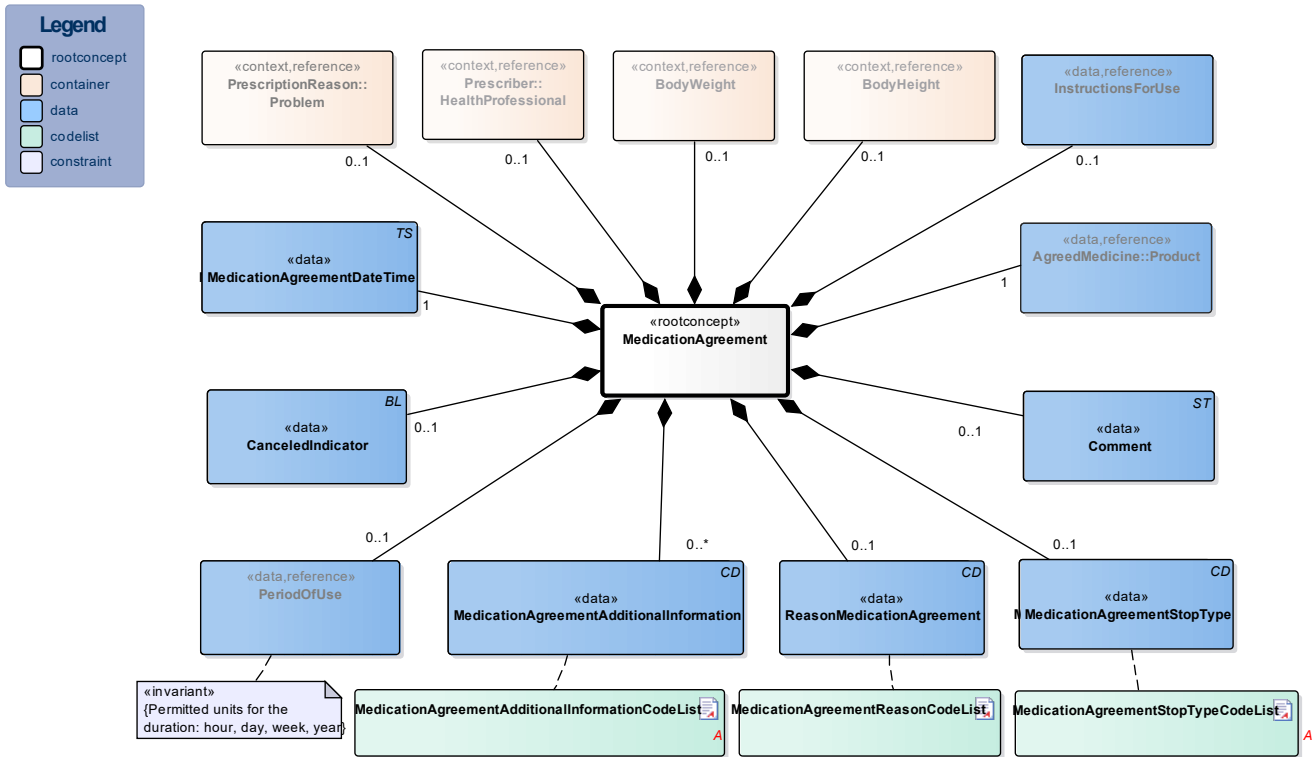
## 1.4 Purpose

The goal of the medication agreement is to provide insight into the agreements reached between the prescriber and the patient on the use of medication.

## 1.5 Patient Population

## 1.6 Evidence Base

# 1.7 Information Model



«rootconcept»	MedicationAgreement	
<b>Definitie</b>	Root concept of the MedicationAgreement information model. This root concept contains all data elements of the MedicationAgreement information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.9580	
<b>Opties</b>		

«context»	Prescriber::HealthProfessional	
<b>Definitie</b>	The health professional that entered the medication agreement with the patient.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.1030	
<b>DCM::ReferencedConceptId</b>	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
<b>Opties</b>		

«context»	PrescriptionReason::Problem	
<b>Definitie</b>	<p>The medical reason for the prescription or for use of the medication. This can be used to enter a medical indication which was the direct cause for prescription or for use of the medication in question.</p> <p>It can concern every type of problem (or condition) of the patient, almost all diagnoses, complaints or symptoms.</p> <p>Please note: The BST401T file of the G standard contains a “special reference” to indicate that “exchange of the reason for prescription is essential”.</p>	

<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.23133	
<b>DCM::ReferencedConceptId</b>	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
<b>Opties</b>		

<b>«context»</b>	<b>BodyWeight</b>	
<b>Definitie</b>	Weight the dose is based on, relevant to this agreement.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.23028	
<b>DCM::ReferencedConceptId</b>	NL-CM:12.1.1	This is a reference to the rootconcept of information model BodyWeight.
<b>Opties</b>		

<b>«context»</b>	<b>BodyHeight</b>	
<b>Definitie</b>	Height the dose is based on, relevant to this agreement.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.23023	
<b>DCM::ReferencedConceptId</b>	NL-CM:12.2.1	This is a reference to the rootconcept of information model BodyHeight.
<b>Opties</b>		

<b>«data»</b>	<b>AgreedMedicine::Product</b>	
<b>Definitie</b>	The medicine agreed upon to be used.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.19925	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.7.19926	This is a reference to the rootconcept of the partial information model Product.
<b>Opties</b>		

<b>«data»</b>	<b>InstructionsForUse</b>	
<b>Definitie</b>	Instructions for the use of the medication, e.g. dose and route of administration.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.23240	
<b>DCM::ReferencedConceptId</b>	NL-CM:9.12.22504	This is a reference to the rootconcept of the partial information model InstructionsForUse.
<b>Opties</b>		

<b>«data»</b>	<b>MedicationAgreementDateTime</b>	
<b>Definitie</b>	The time at which the agreement was made. Appointment date + time are required (order of the appointments must be clear in cases with multiple appointments on one day)	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:9.6.19757	
<b>DCM::ExampleValue</b>	27-01-2015	
<b>Opties</b>		

<b>«data»</b>	<b>PeriodOfUse</b>	
<b>Definitie</b>	<p>Start date: This is the time at which the agreement 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 medication agreement. The end date indicates from when the medication is to be discontinued.</p> <p>Duration: 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>End date: 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 to', the submission of time is always mandatory for the end date.</p>	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:9.6.19936	
<b>DCM::ExampleValue</b>	12-03-2012 16:00	
<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>CanceledIndicator</b>	
<b>Definitie</b>	In the event of an error correction of the medication agreement, this indicator is to be put on for the incorrect agreement.	
<b>Datatype</b>	BL	
<b>DCM::ConceptId</b>	NL-CM:9.6.23033	
<b>Opties</b>		

<b>«data»</b>	<b>MedicationAgreementStopType</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:9.6.19954	
<b>DCM::ValueSet</b>	MedicationAgreementStopTypeCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1
<b>Opties</b>		

<b>«data»</b>	<b>ReasonMedicationAgreement</b>	
<b>Definitie</b>	Reason for this agreement. This can be the reason to start, change or stop the medication treatment.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:9.6.22094	
<b>DCM::ValueSet</b>	MedicationAgreementReasonCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.2
<b>Opties</b>		

<b>«data»</b>	<b>MedicationAgreementAdditionalInformation</b>	
<b>Definitie</b>	Additional information includes details on the structure of the agreement made that are relevant for pharmacovigilance and fulfillment by the pharmacist. This can be used e.g. to indicate that there was a conscious	

	decision to deviate from the norm or that the agreement is to be structured in a certain way.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:9.6.23283	
<b>DCM::ValueSet</b>	MedicationAgreementAdditionalInformationCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comments regarding to the medication agreement. For example: in consultation with the medical specialist.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:9.6.22273	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

<b>«document»</b>	<b>MedicationAgreementAdditionalInformationCodeList</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3	
<b>Opties</b>		

<b>MedicatieafpraakAanvullendeInformatieCodelijst</b>			<b>OID:</b> 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3	
<b>Concept Name</b>	<b>Concept Code</b>	<b>Coding Syst. Name</b>	<b>Coding System OID</b>	<b>Description</b>
Bewust hoge dosering	1	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Bewust lage dosering	2	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Bewust afwijkende toedieningsweg	3	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Medische noodzaak	4	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Profylaxe	5	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Wijziging in GDS per direct	6	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	
Wijziging in GDS per rolwissel	7	Voorlopige G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.3.2050	

<b>«document»</b>	<b>MedicationAgreementReasonCodeList</b>	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.2	
<b>Opties</b>		

RedenMedicatieafpraakCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.2	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Medication commenced (finding)	266709005	SNOMED CT	2.16.840.1.113883.6.96	Starten medicamenteuze behandeling
Administration of drug or medicament contraindicated (situation)	438833006	SNOMED CT	2.16.840.1.113883.6.96	Contra-indicatie
Drug interaction (disorder)	79899007	SNOMED CT	2.16.840.1.113883.6.96	Interactie
Hypersensitivity condition (disorder)	473010000	SNOMED CT	2.16.840.1.113883.6.96	Overgevoeligheid
Geen of onvoldoende effect	5	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Geen of onvoldoende effect
Te sterk effect	6	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Te sterk effect
(Mogelijke) bijwerking	7	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	(Mogelijke) bijwerking
Toedieningsweg voldoet niet	8	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Toedieningsweg voldoet niet
Indicatie vervallen	9	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Indicatie vervallen
Beleidswijziging	10	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Beleidswijziging
Admission to establishment (procedure)	305335007	SNOMED CT	2.16.840.1.113883.6.96	Opname
Wens patiënt	12	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Wens patiënt
Volgens afspraak	13	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Volgens afspraak
Hervatten beleid vorige voorschrijver	14	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Hervatten beleid vorige voorschrijver
Geplande procedure	15	Medicatieafpraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Procedure waaronder ingreep, interferentie met gepland labonderzoek, etc.
Overig	OTH	NullFlavour	2.16.840.1.113883.5.1008	Overig

«document»	MedicationAgreementStopTypeCodeList
Definitie	
Datatype	



DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1	
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Opties	
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<b>MedicatieafspraakStopTypeCodelijst</b>	<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1</b>
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Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Tijdelijk	1	StopType	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.1	Tijdelijke onderbreking van medicamenteuze behandeling (bijvoorbeeld tijdelijk stoppen gebruik vanwege operatie).
Definitief	2	StopType	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.1	Het staken van een bestaande medicamenteuze behandeling.

## 1.8 Example Instances

MedicatieAfspraak DatumTijd	Gebruiksperiode			Afgesproken geneesmiddel	Voorschrijver	GeannuleerdIndicator	MedicatieAfspraakStoptype	MedicatieAfspraakReden
	Ingangsdatum	Einddatum	Duur	Product	Zorgverlener			
18-9-2016 18:00:00	08-09-16	18-09-16		Lisinopril tablet 10mg	D. Bakker	Nee	Definitief	Geen of onvoldoende effect
6-3-2016 9:12:30	06-03-2016			Methotrexaat injvst 25mg/ml 0,6 ml	R. Jansen	Nee		Starten medicamenteuze behandeling

RedenVanVoorschrijven	Gebruiksaanwijzing				
	Probleem	Omschrijving	Doseerinstructie	Toedieningsschema   Frequentie   Interval   Toedientijd   Weekdag   Dagdeel	
			Doseerduur	Dosering   Keerdosis	
	Van 8-9-2017 tot 18-9-2017 1x per dag 1 stuk. Vanaf 18-9-2017 staken.			1 stuk	1x per dag
Reumatoïde Artritis	Vanaf 6 maart 2016 1x per week op maandag om 14uur 15 mg (=0,6 ml)			15 mg (=0,6 ml)	1x per week op maandag (14u)

## 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**

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