Health & Care Information Model:

nl.zorg.MedicationAgreement-v3.0

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Content

1. nl.zorg.MedicationAgreement-v3.0

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DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	
DCM::ContentAuthorList	Projectgroep Medicatieproces
DCM::CreationDate	1-2-2017
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1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

Publicatieversie 1.0.1 (31-12-2017)
Bevat: ZIB-618, ZIB-643.

Publicatieversie 1.1 (31-01-2020)
Bevat: ZIB-888.

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Bevat: ZIB-1659, ZIB-1685, ZIB-1696, ZIB-1720.

Publicatieversie 2.1 (15-10-2023)
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Bevat: ZIB-1903, ZIB-2092, ZIB-2128, ZIB-2132, ZIB-2133, ZIB-2176,ZIB-2202.

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.
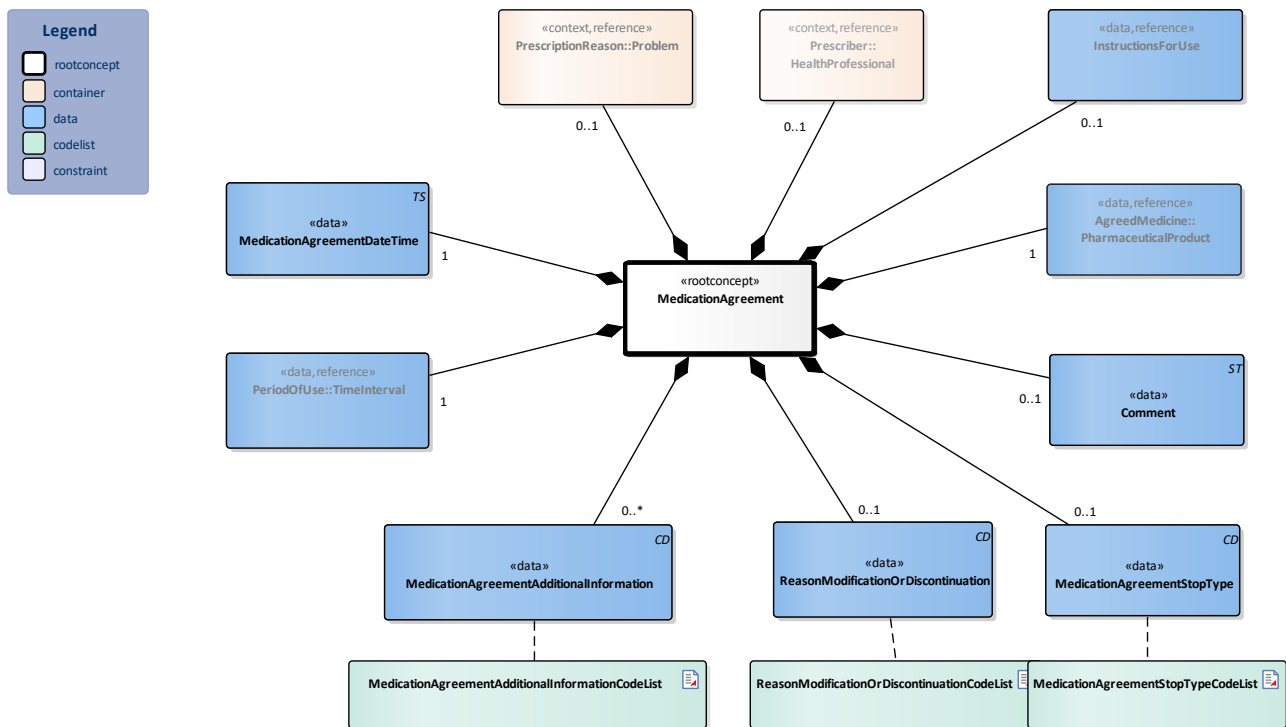
1.3 Mindmap

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	
Definitie	Root concept of the MedicationAgreement information model. This root concept contains all data elements of the MedicationAgreement information model.	
Datatype		
DCM::ConceptId	NL-CM:9.6.9580	
DCM::DefinitionCode	SNOMED CT: 33633005 Prescription of drug	
Opties		

«context»	Prescriber::HealthProfessional	
Definitie	The health professional that entered the medication agreement with the patient.	
Datatype		
DCM::ConceptId	NL-CM:9.6.1030	

DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«context»	PrescriptionReason::Problem	
Definitie	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. It can concern every type of problem (or condition) of the patient, almost all diagnoses, complaints or symptoms. Please note: The BST401T file of the G standard contains a "special reference" to indicate that "exchange of the reason for prescription is essential".	
Datatype		
DCM::ConceptId	NL-CM:9.6.23133	
DCM::DefinitionCode	SNOMED CT: 112201000146104 Medical reason for prescription (observable entity)	
DCM::ReferencedConceptId	NL-CM:5.1.1	This is a reference to the rootconcept of information model Problem.
Opties		

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

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

«data»	MedicationAgreementDateTime	
Definitie	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)	
Datatype	TS	
DCM::ConceptId	NL-CM:9.6.19757	
DCM::ExampleValue	27-01-2015	
Opties		

«data»	PeriodOfUse::TimeInterval	
Definitie	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.
	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.
	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 until and including', the submission of time is always mandatory for the end date.
	With medication for an indefinite period only a start date is indicated.
	Permitted units for the duration: hour, day, week, year.
Datatype	
DCM::ConceptId	NL-CM:9.6.19936	
DCM::ExampleValue	12-03-2012 16:00	
DCM::ReferencedConceptId	NL-CM:20.3.1	This is a reference to the rootconcept of partial information model TimeInterval.
Opties	

«data»	MedicationAgreementStopType	
Definitie	Stop type, the manner in which this medication is discontinued (temporary or definitive).	
Datatype	CD	
DCM::ConceptId	NL-CM:9.6.19954	
DCM::DefinitionCode	SNOMED CT: 274512008 Drug therapy discontinued (situation)	
DCM::ValueSet	MedicationAgreementStopTypeCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1
Opties	

«data»	ReasonModificationOrDiscontinuation	
Definitie	Reason for modification or discontinuation of the medication agreement.	
Datatype	CD	
DCM::ConceptId	NL-CM:9.6.22094	
DCM::DefinitionCode	SNOMED CT: 160111000146106 Reason for change of prescription	
DCM::ValueSet	ReasonModificationOrDiscontinuationCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.2
Opties	

«data»	MedicationAgreementAdditionalInformation	
Definitie	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. See also the Instructions section for more information about use of the element.	
Datatype	CD	
DCM::ConceptId	NL-CM:9.6.23283	

DCM::ValueSet	MedicationAgreementAdditionalInformationCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3
Opties		

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

«document»	MedicationAgreementAdditionalInformationCodeList	
Definitie	The G-standard contains a copy of the MP value lists.	
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3	
HCIM::ValueSetLanguage	NL	
Opties		

MedicatieafspraakAanvullendeInformatieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.3		
Concept Name	**Concept Code**	**Coding Syst. Name**	**Coding System OID**	**Description**
Bewust hoge dosering	1	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust hoge dosering
Bewust lage dosering	2	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust lage dosering
Bewust afwijkende toedieningsweg	3	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust afwijkende toedieningsweg
Medische noodzaak	4	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Medische noodzaak
Profylaxe	5	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Profylaxe
Wijziging in GDS per direct	6	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Wijziging in GDS per direct
Wijziging in GDS per rolwissel	7	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Wijziging in GDS per rolwissel
Bewust afwijken van leeftijdsgrenzen	8	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust afwijken van leeftijdsgrenzen
Bewust van te lage nierfunctie voor deze dosering	9	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust van te lage nierfunctie voor deze dosering
Bewust van eerder gemelde overgevoeligheid	10	MP codesystem MA aanvullende informatie	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.14.2050	Bewust van eerder gemelde overgevoeligheid

«document»	ReasonModificationOrDiscontinuationCodeList	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.2	

HCIM::ValueSetLanguage	NL			
Opties				

RedenWijzigenOfStakenCodelijst			**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	266709005	SNOMED CT	2.16.840.1.113883.6.96	Starten medicamenteuze behandeling [DEPRECATED]
Administration of drug or medicament contraindicated (situation)	438833006	SNOMED CT	2.16.840.1.113883.6.96	Toedienen van medicatie gecontra-indiceerd
Drug interaction (disorder)	79899007	SNOMED CT	2.16.840.1.113883.6.96	Geneesmiddelinteractie
Adverse reaction to drug	62014003	SNOMED CT	2.16.840.1.113883.6.96	Ongewenste reactie op medicatie en/of drugs
Hypersensitivity condition (disorder)	473010000	SNOMED CT	2.16.840.1.113883.6.96	Overgevoeligheid [DEPRECATED]
Lack of drug action (finding)	58848006	SNOMED CT	2.16.840.1.113883.6.96	Gebrek aan geneesmiddeleffect
Too strong drug action (finding)	112251000146103	SNOMED CT	2.16.840.1.113883.6.96	Te sterk effect van medicatie
At risk of medication side effect (finding)	704417003	SNOMED CT	2.16.840.1.113883.6.96	(Mogelijke) bijwerking [DEPRECATED]
Insufficient route of administration (finding)	112191000146101	SNOMED CT	2.16.840.1.113883.6.96	Medicatietoedieningsweg voldoet niet
Drug treatment not indicated (situation)	183966005	SNOMED CT	2.16.840.1.113883.6.96	Geen indicatie voor medicamenteuze behandeling
Medication management changed (situation)	112751000146109	SNOMED CT	2.16.840.1.113883.6.96	Medicatiebeleids veranderd
Admission to establishment (procedure)	305335007	SNOMED CT	2.16.840.1.113883.6.96	Opname in instelling
Patient requested modification of treatment	159711000146106	SNOMED CT	2.16.840.1.113883.6.96	Verzoek van zorgafnemer om behandeling te wijzigen
Patient requested treatment (situation)	184003006	SNOMED CT	2.16.840.1.113883.6.96	Wens patiënt [DEPRECATED]
Patient agreed with treatment (situation)	112211000146102	SNOMED CT	2.16.840.1.113883.6.96	Volgens afspraak [DEPRECATED]
Treatment previous prescriber continued (situation)	112261000146100	SNOMED CT	2.16.840.1.113883.6.96	Hervatten beleid vorige voorschrijver
Planned procedure (situation)	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 lab value	160131000146104	SNOMED CT	2.16.840.1.113883.6.96	Verandering in labwaarde
Duplicate registration of	160161000146108	SNOMED CT	2.16.840.1.113883.6.96	Dubbele registratie van medicamenteuze

medication treatment				behandeling [DEPRECATED]
Double registration of medication treatment	180011000146107	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 patient volgens afspraak
Overig	OTH	NullFlavor	2.16.840.1.113883.5.1008	Overig

«document»	MedicationAgreementStopTypeCodeList		
Definitie			
Datatype			
DCM::ValueSetBinding	Extensible		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1		
HCIM::ValueSetLanguage	NL		
Opties			

MedicatieafspraakStopTypeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.6.1	
Concept Name	**Concept Code**	**Coding Syst. Name**	**Coding System OID**	**Description**
Drug therapy temporarily stopped	113381000146106	SNOMED CT	2.16.840.1.113883.6.96	Tijdelijke onderbreking van medicamenteuze behandeling (bijvoorbeeld tijdelijk stoppen gebruik vanwege operatie). [DEPRECATED]
Drug therapy definitively stopped	113371000146109	SNOMED CT	2.16.840.1.113883.6.96	Het staken van een bestaande medicamenteuze behandeling. [DEPRECATED]
Discontinued	410546004	SNOMED CT	2.16.840.1.113883.6.96	Stopgezet
Suspended	385655000	SNOMED CT	2.16.840.1.113883.6.96	Onderbroken
Cancelled	89925002	SNOMED CT	2.16.840.1.113883.6.96	Geannuleerd

	Legend
Definitie	
Datatype	
Opties	

1.8   Example Instances

MedicatieAfspraak DatumTijd	Gebruiksperiode			Afgesproken geneesmiddel	Voorschrijver	MedicatieAfspraak Stoptype	MedicatieAfspraak RedenWijzigenOfStaken
	Ingangsdatum	Einddatum	Duur	FarmaceutischProduct	Zorgverlener		
					Naamgegevens		
18-9-2016 18:00:00	08-09-16	18-09-16		Lisinopril tablet 10mg	D. Bakker	Definitief	Geen of onvoldoende effect
6-3-2016 9:12:30	06-03-2016			Methotrexaat injvlst 25mg/ml 0,6 ml	R. Jansen		

RedenVan Voorschrijven	Gebruiksinstructie		
Probleem	Omschrijving	Doseerinstructie	
		Doseerduur	Dosering |Keerdosis	Toedieningsschema |Frequentie |Interval |Toedientijd |Weekdag |Dagdeel
	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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