Health & Care Information Model:

nl.zorg.MedicationAgreement-v1.3

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Content

1. nl.zorg.MedicationAgreement-v1.3

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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.

Publicatieversie 1.2 (01-09-2020)
Bevat: ZIB-911, ZIB-1020, ZIB-1021.

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Bevat: ZIB-1261, ZIB-1454, ZIB-1457, ZIB-1458, ZIB-1575.

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.
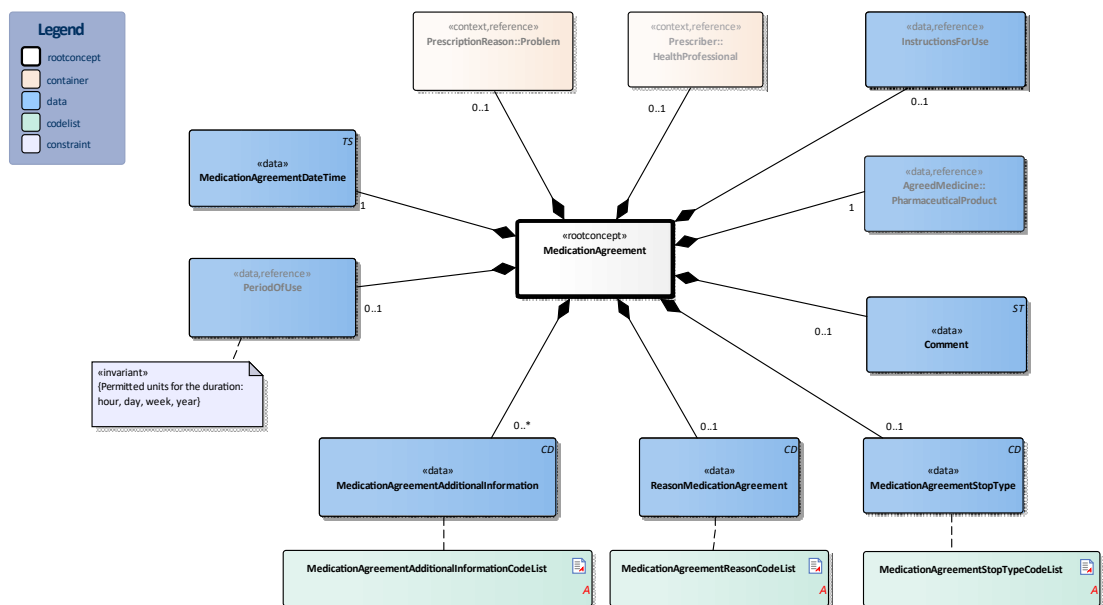
1.3 Mindmap

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: 16076005 Prescription (procedure)	
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 the partial 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 the partial 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		
DCM::ConceptId	NL-CM:9.6.19757	
DCM::ExampleValue	27-01-2015	
Opties		

«data»	PeriodOfUse
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 to', the submission of time is always mandatory for the end date. With medication for an indefinite period only a start date is indicated.	
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		
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»	ReasonMedicationAgreement	
Definitie	Reason for this agreement. This can be the reason to start, change or stop the medication treatment.	
Datatype		
DCM::ConceptId	NL-CM:9.6.22094	
DCM::DefinitionCode	SNOMED CT: 112241000146101 Reason for prescription (observable entity)	
DCM::ValueSet	MedicationAgreementReasonCodeList	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		
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	
DCM::ConceptId	NL-CM:9.6.22273
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment
Opties	

«document»	MedicationAgreementAdditionalInformationCodeList
Definitie	
Datatype	
DCM::ValueSetBinding	Required
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	G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20. 77.5.2.3.2050	Bewust hoge dosering
Bewust lage dosering	2	G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20. 77.5.2.3.2050	Bewust lage dosering
Bewust afwijkende toedieningsweg	3	G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20. 77.5.2.3.2050	Bewust afwijkende toedieningsweg
Medische noodzaak	4	G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20. 77.5.2.3.2050	Medische noodzaak
Profylaxe	5	G-std thesaurus 2050	2.16.840.1.113883.2.4.3.11.60.20. 77.5.2.3.2050	Profylaxe
Wijziging in GDS per direct	6	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
Wijziging in GDS per rolwissel	7	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

«document»	MedicationAgreementReasonCodeList
Definitie	
Datatype	
DCM::ValueSetBinding	Required
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.9.6.2
HCIM::ValueSetLanguage	NL
Opties	

RedenMedicatieafspraakCodelijst			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	473010000	SNOMED CT	2.16.840.1.113883.6.96	Overgevoeligheid

condition (disorder)				
Lack of drug action (finding)	58848006	SNOMED CT	2.16.840.1.113883.6.96	Geen of onvoldoende effect
Too strong drug action (finding)	11225100014 6103	SNOMED CT	2.16.840.1.113883.6.96	Te sterk effect
At risk of medication side effect (finding)	704417003	SNOMED CT	2.16.840.1.113883.6.96	(Mogelijke) bijwerking
Insufficient route of administration (finding)	11219100014 6101	SNOMED CT	2.16.840.1.113883.6.96	Toedieningsweg voldoet niet
Drug treatment not indicated (situation)	183966005	SNOMED CT	2.16.840.1.113883.6.96	Indicatie vervallen
Medication management changed (situation)	11275100014 6109	SNOMED CT	2.16.840.1.113883.6.96	Beleidswijziging
Admission to establishment (procedure)	305335007	SNOMED CT	2.16.840.1.113883.6.96	Opname
Patient requested treatment (situation)	184003006	SNOMED CT	2.16.840.1.113883.6.96	Wens patiënt
Patient agreed with treatment (situation)	11221100014 6102	SNOMED CT	2.16.840.1.113883.6.96	Volgens afspraak
Treatment previous prescriber continued (situation)	11226100014 6100	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	Procedure waaronder ingreep, interferentie met gepland labonderzoek, etc.
Overig	OTH	NullFlavor	2.16.840.1.113883.5.10 08	Overig

«document»	MedicationAgreementStopTypeCodeList
Definitie	
Datatype	
DCM::ValueSetBinding	Required
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).
Drug therapy definitively stopped	113371000146109	SNOMED CT	2.16.840.1.113883.6.96	Het staken van een bestaande medicamenteuze behandeling.

«invariant»	Constraint

Definitie	Permitted units for the duration: hour, day, week, year
Datatype	
Opties	

	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

MedicatieAfspraak DatumTijd	Gebruiksperiode			Afgesproken geneesmiddel	Voorschrijver	MedicatieAfspraak Stoptype	MedicatieAfspraak .Reden
	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		Starten medicamenteuze behandeling

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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