Health & Care Information Model:

nl.zorg.MedicationUse2-v1.0.1

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Content

1. nl.zorg.MedicationUse2-v1.0.1

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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.

1.2   Concept

MedicationUse is a statement on the historic, current or intended use of a certain medicine.
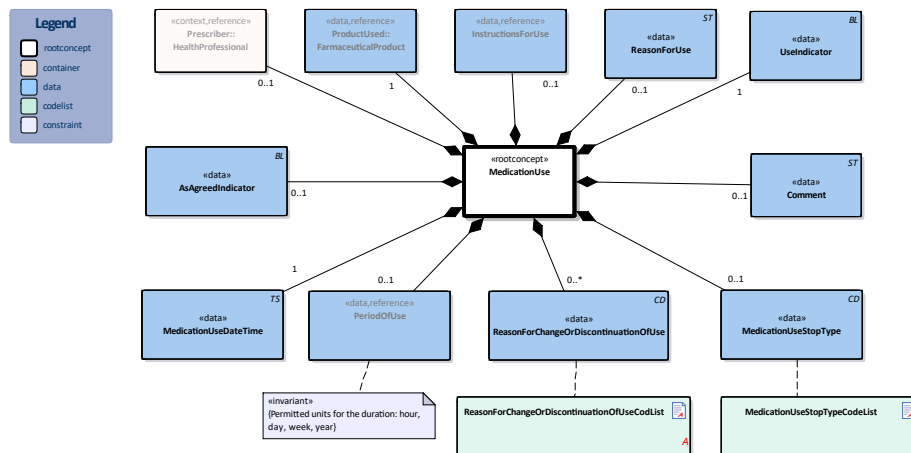
1.3   Mindmap

1.4   Purpose

The goal of the medication use is to provide insight into the patient's pattern of use.

1.5   Patient Population

1.6   Evidence Base

1.7   Information Model

«rootconcept»	MedicationUse	
Definitie	Root concept of the MedicationUse information model. This root concept contains all data elements of the MedicationUse information model.	
Datatype		
DCM::ConceptId	NL-CM:9.11.21338	
Opties		

«context»	Prescriber::HealthProfessional	
Definitie	The health professional that entered the medication agreement with the patient.	
Datatype		
DCM::ConceptId	NL-CM:9.11.23290	
DCM::ReferencedConceptId	NL-CM:17.1.1	This is a reference to the rootconcept of information model HealthProfessional.
Opties		

«data»	ProductUsed::FarmaceuticalProduct	
Definitie	The product used. This is usually medication. Food, blood products, aids and bandages do not strictly fall under the category of medication, but can be recorded as well. In principle, this will be the prescribed product, but the product used may differ from the prescribed product.	
Datatype		
DCM::ConceptId	NL-CM:9.11.21339	
DCM::ReferencedConceptId	NL-CM:9.7.19926	This is a reference tothe 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. In the event of medication use, this is the pattern of use established by the patient or which the patient followed.	
Datatype		
DCM::ConceptId	NL-CM:9.11.22504	
DCM::ReferencedConceptId	NL-CM:9.12.22504	This is a reference to the rootconcept of the partial information model InstructionsForUse.

Opties	

«data»	MedicationUseDateTime
Definitie	Date on which this use is entered.
Datatype	TS
DCM::ConceptId	NL-CM:9.11.22398	
Opties	

«data»	PeriodOfUse
Definitie	Medication use can be recorded for a certain moment or over a certain period. Thus, medication use can be recorded multiple times during the use of medication. The usage period is the period or moment over which the data is recorded. **Start date**: This is the time at which the agreement was to take effect (or took effect or will take effect). **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). To avoid confusion between 'to' and 'up to', the submission of time is always mandatory for the end date.
Datatype	
DCM::ConceptId	NL-CM:9.11.22663	
DCM::ReferencedConceptId	NL-CM:20.3.1	This is a reference to the rootconcept of partial information model TimeInterval.
Opties	

«data»	AsAgreedIndicator
Definitie	Is the medicine used as outlined in the medication agreement?
Datatype	BL
DCM::ConceptId	NL-CM:9.11.22492	
DCM::ExampleValue	nee	
Opties	

«data»	UseIndicator
Definitie	Is this medicine used or not?
Datatype	BL
DCM::ConceptId	NL-CM:9.11.22399	
Opties	

«data»	ReasonForUse
Definitie	The reason for using the medication, particularly in self-care medicine purchased by the patient themselves.
Datatype	ST
DCM::ConceptId	NL-CM:9.11.22491	
Opties	

«data»	MedicationUseStopType
Definitie	Stop type, the manner in which this medication is discontinued (temporary or definitive).
Datatype	CD
DCM::ConceptId	NL-CM:9.11.23132	
DCM::ValueSet	MedicationUseStopTypeCodeList	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.11.1

Opties	

«data»	ReasonForChangeOrDiscontinuationOfUse
Definitie	Reason for changing or discontinuing use of medication.
Datatype	CD
DCM::ConceptId	NL-CM:9.11.22493
DCM::ValueSet	ReasonForChangeOrDisconti nuationOfUseCodList / OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.11.2
Opties	

«data»	Comment
Definitie	Comments on the medication use.
Datatype	ST
DCM::ConceptId	NL-CM:9.11.21624
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment
Opties	

«document»	MedicationUseStopTypeCodeList
Definitie	
Datatype	
DCM::ValueSetBinding	Extensible
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.9.11.1
Opties	

MedicatiegebruikStopTypeCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.11.1		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Tijdelijk	1	Medicatieafspraak 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	Medicatie afspraak StopType	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.1	Het staken van een bestaande medicamenteuze behandeling.

«document»	ReasonForChangeOrDiscontinuationOfUseCodList
Definitie	
Datatype	
DCM::ValueSetBinding	Extensible
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.9.11.2
Opties	

RedenWijzigenOfStoppenGebruikCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.11.2	
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	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Geen of onvoldoende effect
Te sterk effect	6	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Te sterk effect
(Mogelijke) bijwerking	7	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	(Mogelijke) bijwerking
Toedieningsweg voldoet niet	8	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Toedieningsweg voldoet niet
Indicatie vervallen	9	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Indicatie vervallen
Beleidswijziging	10	Medicatieafspraak 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	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Wens patiënt
Volgens afspraak	13	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Volgens afspraak
Hervatten beleid vorige voorschrijver	14	Medicatieafspraak Reden	2.16.840.1.113883.2.4.3.11.60.20.77.5.2.2	Hervatten beleid vorige voorschrijver
Geplande procedure	15	Medicatieafspraak 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

Legend	
Definitie	
Datatype	
Opties	

1.8 Example Instances

MedicatieGebruik DatumTijd	GebruikIndicator	VolgensAfspraak Indicator	Medicatiegebruik Stoptype	Gebruiksperiode			Gebruiksproduct
				Ingangsdatum	Einddatum	Gebruiksduur	ProductCode
3-6-2014 16:19:07	Ja			Mei 2014		1 maand	Paracetamol tablet 500 mg
11-9-2012 17:21:00	Ja	Ja		01-09-12	05-09-12		Pantoprazol injpdr 40 mg fl
19-9-2014 4:12:11	Nee	Nee	Definitief	17-09-14			Dalteparine 2500 injvlst 12.500 ie/ml wwsp 0,2ml

RedenGebruik	RedenWijzigenOf StoppenGebruik	GebruiksInstructie					
		Omschrijving	Toedienings Weg	Aanvullende instructie	Doseerinstructie		
					Doseerduur	Dosering|Keerdosis	Toedieningsschema|Frequentie|Interval|Toedientijd|Weekdag|Dagdeel
Pijn		In de maand mei heb ik regelmatig paracetamol gebruikt.					
Ulcusprofylaxe		Vanaf 1 september 2012 gedurende 5 dagen 1x per dag om 8uur 40 mg (=1 st)	iv			40 mg (=1 st)	1x per dag om 8.00 uur
	(Mogelijke) bijwerking	Tijdelijk gestopt vanwege toenemende bijwerkingen: duizeligheid en misselijkheid.	subcutaan			2500 IE	1x per dag om 18.00 uur

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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