

Health & Care Information Model: nl.zorg.MedicationUse2-v1.1

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1. nl.zorg.MedicationUse2-v1.1

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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.

Publicatieversie 1.1 (31-01-2020)

Bevat: ZIB-906, ZIB-888.

1.2 Concept

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

1.3 Mindmap

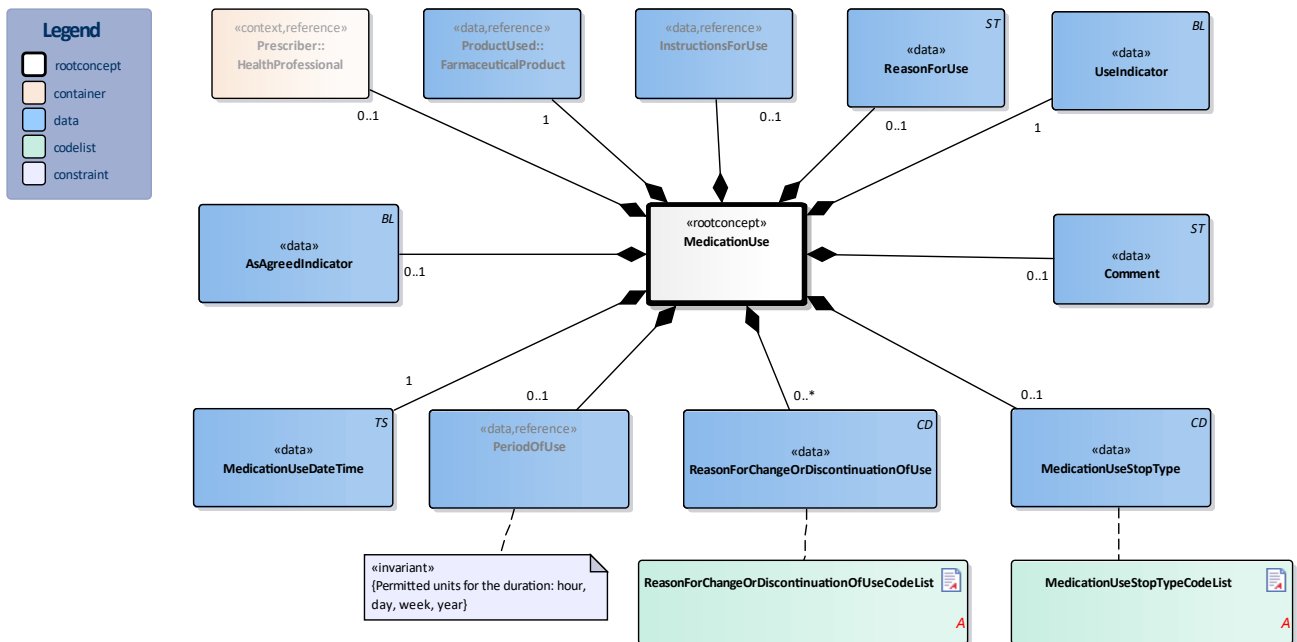
1.4 Purpose

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	
DCM::DefinitionCode	SNOMED CT: 422979000	
	Medication regimen behavior finding	
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 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. 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 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	<p>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.</p> <p>Start date: This is the time at which the agreement was to take effect (or took effect or will take effect).</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). To avoid confusion between 'to' and 'up to', the submission of time is always mandatory for the end date.</p>	
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	
DCM::DefinitionCode	SNOMED CT: 112221000146107 patient takes medication as prescribed (finding)	
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	ReasonForChangeOrDiscontinuationOfUseCodeList	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	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). (DEPRECATED)

Drug therapy temporarily stopped (finding)	112171000146100	SNOMED CT	2.16.840.1.113883.6.96	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. (DEPRECATED)
Drug therapy definitively stopped (finding)	112161000146106	SNOMED CT	2.16.840.1.113883.6.96	Het staken van een bestaande medicamenteuze behandeling.

«document»	ReasonForChangeOrDiscontinuationOfUseCodeList	
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 medication 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 (DEPRECATED)
Lack of drug action (finding)	58848006	SNOMED CT	2.16.840.1.113883.6.96	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 (DEPRECATED)
Too strong drug action (finding)	1122510001 46103	SNOMED CT	2.16.840.1.113883.6. 96	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 (DEPRECATED)
At risk of medication side effect (finding)	704417003	SNOMED CT	2.16.840.1.113883.6. 96	(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 (DEPRECATED)
Insufficient route of administration (finding)	1121910001 46101	SNOMED CT	2.16.840.1.113883.6. 96	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 (DEPRECATED)
Drug treatment not indicated (situation)	183966005	SNOMED CT	2.16.840.1.113883.6. 96	Indicatie vervallen
Beleidswijziging	10	Medicatieafpraak Reden	2.16.840.1.113883.2. 4.3.11.60.20.77.5.2.2	Beleidswijziging (DEPRECATED)
Medication management changed (situation)	1127510001 46109	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 (DEPRECATED)
Patient requested treatment (situation)	184003006	SNOMED CT	2.16.840.1.113883.6. 96	Wens patiënt
Volgens afspraak	13	Medicatieafpraak Reden	2.16.840.1.113883.2. 4.3.11.60.20.77.5.2.2	Volgens afspraak (DEPRECATED)
Patient accepted drug therapy (situation)	1122110001 46102	SNOMED CT	2.16.840.1.113883.6. 96	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 (DEPRECATED)
Treatment previous prescriber continued (situation)	1122610001 46100	SNOMED CT	2.16.840.1.113883.6. 96	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. (DEPRECATED)

Planned procedure (situation)	405613005	SNOMED CT	2.16.840.1.113883.6.96	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 Stotype	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					Toedieningsschema Frequentie Interval Toedientijd Weekdag Dagdeel
		Omschrijving	Toedienings Weg	Aanvullende instructie	Doseerinstructie	Doseerduur	
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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