

Health & Care Information Model: nl.nfu.MedicationUse-v1.0.1

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1. nl.nfu.MedicationUse-v1.0.1

DCM::CoderList	Kerngroep Registratie aan de Bron
DCM::ContactInformation.Address	
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	
DCM::ContentAuthorList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::CreationDate	19-12-2013
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	NFU
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.9.2
DCM::KeywordList	Medicatie, Feitelijk Gebruik, Gebruik
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.nfu.MedicatieGebruik
DCM::PublicationDate	1-4-2015
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DCM::RevisionDate	22-5-2015
DCM::Superseeds	nl.nfu.OverdrachtMedicatie-v1.1 (2.16.840.1.113883.2.4.3.11.60.40.3.9.1)
DCM::Version	1.0.1
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (01-04-2015)

Bevat: ZIB-56, ZIB-308.

Incl. algemene wijzigingsverzoeken:

ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 1.0.1 (22-05-2015)

Bevat: ZIB-381.

1.2 Concept

MedicationUse describes taking or administering the medication, often in relation to a prescription, but also on the person's own initiative. This describes the pattern of medication use, as reported by the patient themselves, a caregiver or healthcare provider. Documenting medication use provides insight into the use of prescribed medication as well as the use of medication at home.

1.3 Mindmap

1.4 Purpose

Recording medication information is a very important part of continuity in healthcare. It concerns the core

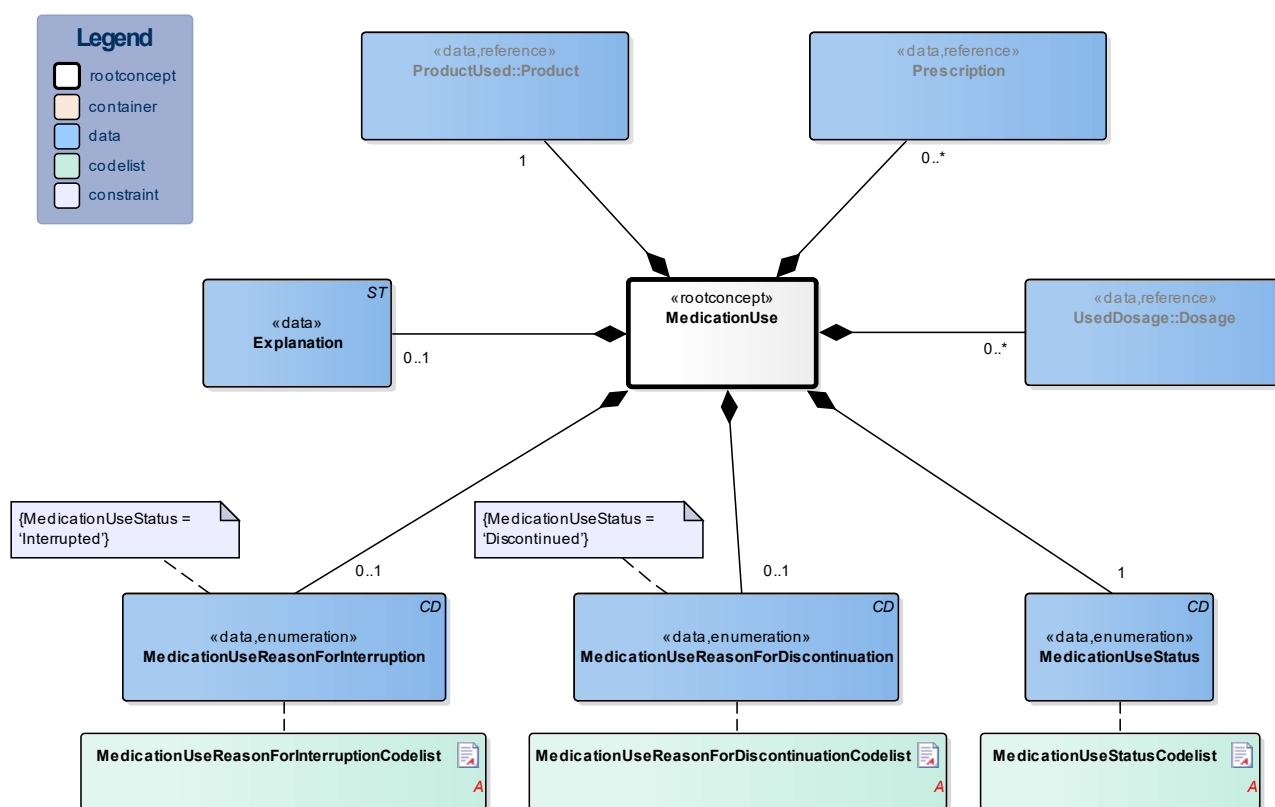
of patient safety. Healthcare professionals in the collaborative branch must always have access to an up-to-date medication overview. Applying the building block will usually involve:

- Recording the patient’s intake of self-medication or ‘drugs’.
- Recording the medication used during a patient’s stay at the hospital.
- Medication verification: recording the active medication profile.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model



«rootconcept»	MedicationUse
Definitie	Root concept of the MedicationUse building block. This root concept contains all data elements of the MedicationUse building block.
Datatype	
DCM::ConceptId	NL-CM:9.2.1
Opties	

«data»	ProductUsed::Product
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:9.2.2	
DCM::ReferencedConceptId	NL-CM:9.5.6	Dit is een verwijzing naar concept Product in information model MedicatieVoorschrift.
Opties		

«data»	Prescription	
Definitie	The agreement or order for the use of medication.	
Datatype		
DCM::ConceptId	NL-CM:9.2.3	
DCM::ReferencedConceptId	NL-CM:9.5.1	Dit is een verwijzing naar concept MedicatieVoorschrift in information model MedicatieVoorschrift.
Opties		

«data»	UsedDosage::Dosage	
Definitie	<p>When taking stock of medication use, the dosage describes the amount and the pattern of use as reported by the patient or a healthcare provider.</p> <p>The used dosage is the reported dose used by the patient. The used dosage may differ in terms of the administering schedule of the prescribed dosage in the event that the patient makes different decisions on their use of the product and reports as such.</p>	
Datatype		
DCM::ConceptId	NL-CM:9.2.4	
DCM::ExampleValue	4x/dag 1 tablet via de mond voor de maaltijd en voor het slapen gaan.	
DCM::ReferencedConceptId	NL-CM:9.5.4	Dit is een verwijzing naar concept Dosering in information model MedicatieVoorschrift.
Opties		

«data»	MedicationUseStatus	
Definitie	<p>The status or status code is important in indicating the use schedule. This attribute indicates whether the prescription is actively used, temporarily interrupted, or by now discontinued. Interrupting (home) use often occurs in the event of admittance to a healthcare facility, prior to a procedure and in response to monitoring (mirroring provisions, effect measurements, etc.).</p> <p>When documenting this, the following interpretations are used:</p> <ul style="list-style-type: none"> • Active: The product is used. • Interrupted: Use has (temporarily) been interrupted, because of a surgical procedure, for example. Later, the patient and/or doctor can decide whether or not to resume or discontinue use. • Discontinued: Use has been stopped for a specific reason. • Completed: Use has now been completed (according to the plan, prescription or agreement).] • Not started: The product was never used. 	

Datatype	CD	
DCM::ConceptId	NL-CM:9.2.5	
DCM::ExampleValue	Actief	
DCM::ValueSet	MedicationUseStatusCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.1
Opties		

«data»	MedicationUseReasonForDiscontinuation	
Definitie	Reason why the use of a certain medicine was discontinued.	
Datatype	CD	
DCM::ConceptId	NL-CM:9.2.6	
DCM::ValueSet	MedicationUseReasonForDiscontinuationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.2
Opties		

«data»	MedicationUseReasonForInterruption	
Definitie	Reason why the use of a certain medicine was interrupted. Here, you can choose to enter text or one of the codes.	
Datatype	CD	
DCM::ConceptId	NL-CM:9.2.7	
DCM::ValueSet	MedicationUseReasonForInterruptionCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.3
Opties		

«data»	Explanation	
Definitie	Comments on the medication use.	
Datatype	ST	
DCM::ConceptId	NL-CM:9.2.8	
Opties		

«document»	MedicationUseStatusCodelist	
Definitie		
Datatype		
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.9.2.1	
Opties		

MedicatieGebruikStatusCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.1
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Concept Name	Concept Code	Code System Name	Code System OID	Description
Active	active	ActStatus	2.16.840.1.113883.5.14	Actief
Suspended	suspended	ActStatus	2.16.840.1.113883.5.14	Onderbroken
Aborted	aborted	ActStatus	2.16.840.1.113883.5.14	Afgebroken
Completed	completed	ActStatus	2.16.840.1.113883.5.14	Voltooid

Cancelled	cancelled	ActStatus	2.16.840.1.113883.5.14	Niet gestart
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«document»		MedicationUseReasonForDiscontinuationCodelist		
Definitie				
Datatype				
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.9.2.2		
Opties				
MedicatieGebruikRedenVanStoppenCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.2		
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Intolerance	SINTOL	ActReason	2.16.840.1.113883.5.8	Bijwerking, allergie of intolerantie
Condition alert	COND	ActCode	2.16.840.1.113883.5.4	Contra-indicatie
Drug interacts with another drug	SDDI	ActReason	2.16.840.1.113883.5.8	Interactie met ander medicament
Dose change	DOSECHG	ActReason	2.16.840.1.113883.5.8	Dosiswijziging
No longer required for treatment	NOREQ	ActReason	2.16.840.1.113883.5.8	Niet langer vereist voor de behandeling
Ineffective	INEFFECT	ActReason	2.16.840.1.113883.5.8	Niet effectief
Formulary policy	FP	ActReason	2.16.840.1.113883.5.8	Ander voorschrijfbeleid
Product discontinued	DISCONT	ActReason	2.16.840.1.113883.5.8	Product niet meer leverbaar
Not covered	NOTCOVER	ActReason	2.16.840.1.113883.5.8	Product wordt niet vergoed
Patient refuse	PREFUS	ActReason	2.16.840.1.113883.5.8	Patiënt heeft geweigerd

«document»		MedicationUseReasonForInterruptionCodelist		
Definitie				
Datatype				
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.9.2.3		
Opties				
MedicatieGebruikRedenVanOnderbrekenCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.2.3		
Concept Name	Concept Code	Coding System Name	Code System OID	Description
Drug level too high	DRUGHIGH	ActReason	2.16.840.1.113883.5.8	Te hoge geneesmiddel spiegel

Lab interf eren ce issue s	LA BI NT	Act Rea son	2.16.84 0.1.113 883.5.8	Interferen tie met gepland labonderz oek
Patie nt is preg nant/ breas t feedi ng	PR EG	Act Rea son	2.16.84 0.1.113 883.5.8	Patiënt is zwangersc hap of geeft borstvoed ing
Patie nt not-a vaila ble	NO N- AV ALL	Act Rea son	2.16.84 0.1.113 883.5.8	Patiënt is niet beschikba ar
Resp onse to moni torin g	M ON IT	Act Rea son	2.16.84 0.1.113 883.5.8	Reactie op monitorin g
Drug inter acts with ano ther drug	SD DI	Act Rea son	2.16.84 0.1.113 883.5.8	Interactie met ander medicame nt
Dupli cate thera py	SD UP TH ER	Act Rea son	2.16.84 0.1.113 883.5.8	Een andere therapie maakt het gebruik tijdelijk overbodig
Patie nt sche dule d for surge ry	SU RG	Act Rea son	2.16.84 0.1.113 883.5.8	Patient is ingepland voor een ingreep
Waiti ng for old drug to wash out	W AS HO UT	Act Rea son	2.16.84 0.1.113 883.5.8	Tijdelijk onderbrek en tot ander geneesmi ddel geen werking meer uitoefent

1.8 Example Instances

GebruiksProduct	GebruiksDosering				MedicatieGebruikStatus	Voorschrift
ProductNaam	StartDatum	EindDatum	Keerdosis Toedieningsschema	ToedieningsWeg		Reden van Voorschrijven
						Probleem
Paracetamol tablet 500 mg	05-2012		Zo nodig 500mg (=1st), max. 4x/dag	Oraal	Actief	Hoofdpijn

GebruiksProduct	GebruiksDosering				MedicatieGebruikStatus	Voorschrift
ProductNaam	StartDatum	EindDatum	Keerdosis Toedieningsschema	ToedieningsWeg		Reden van Voorschrijven
						Probleem
Pantoprazol injpdr 40mg fl	11-09-2012 17:21		1x/dag(8u) 40mg (=1st)	iv	Actief	Ulcusprofylaxe

GebruiksProduct	GebruiksDosering				MedicatieGebruikStatus	Voorschrift
ProductNaam	StartDatum	EindDatum	Keerdosis Toedieningsschema	ToedieningsWeg		Reden van Voorschrijven
						Probleem
Dalteparine 2500 injvlst 12.500 ie/ml wwsp 0,2ml	19-09-2012		1x/dag(18u) 2500ie(=0,2ml)	Subcutaan	Actief	Thromboseprofylaxe

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. GROOT, E. (2011) *Dataset medicatieproces 2011*. [Online] Den Haag: Nictiz. Beschikbaar op: http://www.nictiz.nl/module/360/590/Dataset_Medicatieproces_2011.xlsx [Geraadpleegd: 23 juli 2014].
2. *HL7v3-implementatiehandleiding medicatieproces versie 6.1.0.0*. [Online] Den Haag: Nictiz. Beschikbaar op: http://www.nictiz.nl/uploaded/FILES/html_cabinet/live/Zorgtoepassing/Medicatieproces/AORTA_Mp_IH_Medicatieproces_HL7.htm [Geraadpleegd: 23 juli 2014].
3. *Dossier Medicatieoverzicht*. [Online] Beschikbaar op: [Oria.nl](http://www.oria.nl). [Geraadpleegd: 23 juli 2014].
4. *G-standaard documentatie*. [Online] Beschikbaar op: <http://www.z-index.nl/> [Geraadpleegd: 23 juli 2014].

1.16 Functional Model

1.17 Traceability to other Standards

1.18 Disclaimer

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