

Health & Care Information Model: nl.zorg.MedicatieToediening

Final

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1. nl.zorg.MedicatieToediening-v3.0

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	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.9.3
DCM::KeywordList	Medicatie, Toediening
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.MedicatieToediening
DCM::PublicationDate	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	1-4-2015
DCM::Superseeds	nl.nfu.MedicatieToediening-v1.0
DCM::Version	3.0

1.1 Revision History

Publicatieversie 1.0 (01-04-2015)

Bevat: ZIB-56, ZIB-308, ZIB-353.

Incl. algemene wijzigingsverzoeken:

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

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

1.2 Concept

Administration of medication describes the actual administration of the medication. This can be simply swallowing a tablet, applying ointment or paste, or an infusion that takes a considerable amount of time.

The administration can refer to a medication prescription, but can also refer to home medication.

1.3 Mindmap

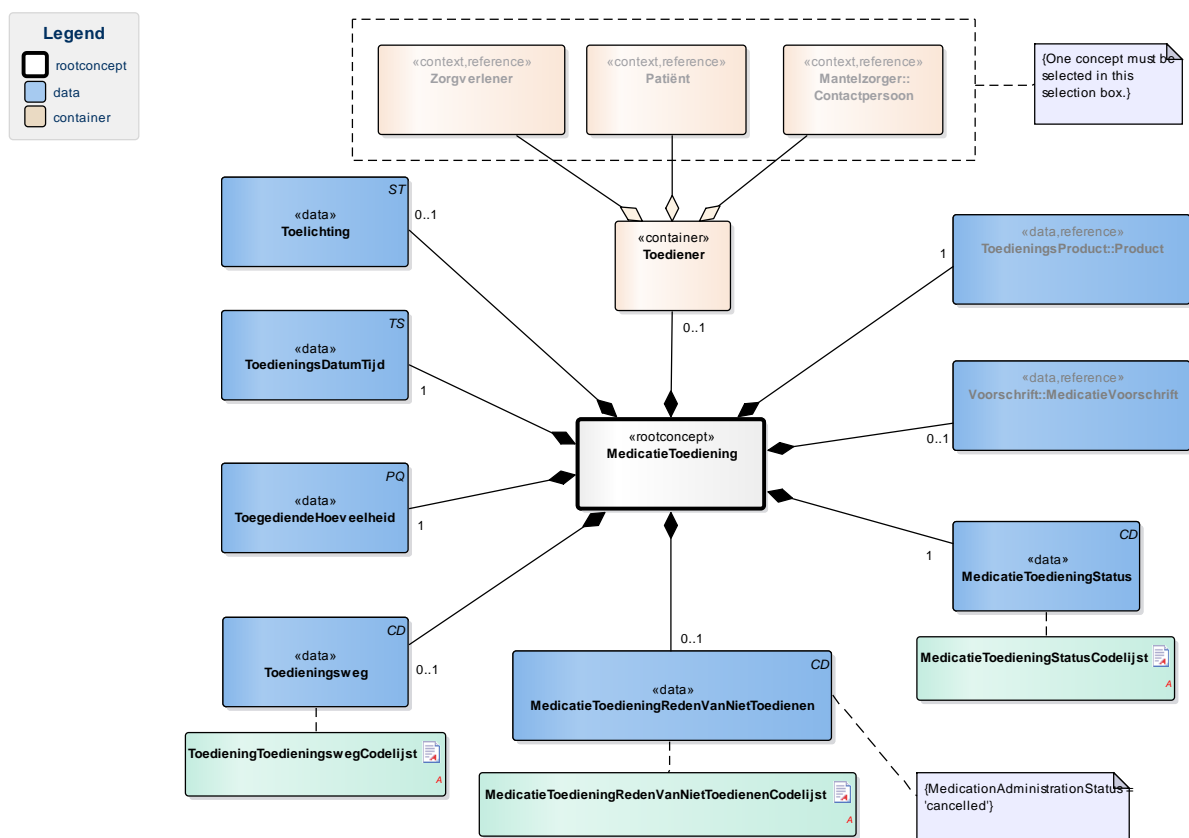
1.4 Purpose

To precisely plan the medication to be administered in a chain of collaborating healthcare professionals, it is often best to have information on the most recent administrations of medication, food or blood products.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model



«rootconcept»	MedicatieToediening
Definitie	Root concept of the MedicationAdministration information model. This root concept contains all data elements of the MedicationAdministration information model.

Datatype	
DCM::DefinitionCode	NL-CM:9.3.1
Opties	

«data»	ToedieningsProduct::Product
Definitie	<p>The product taken or administered. This is usually medication. Food, blood products, aids and bandages do not strictly fall under the category of medication, but can be reported as well.</p> <p>In principle, this will be the prescribed product, but the administrator may substitute it by replacing the product with an equivalent product. For example: two 50mg tablets can be administered instead of one 100mg tablet.</p>
Datatype	
DCM::DefinitionCode	NL-CM:9.3.2
DCM::ReferencedDefinitionCode	NL-CM:9.5.6
	Dit is een verwijzing naar concept Product in information model MedicatieVoorschrift.
Opties	

«data»	Voorschrift::MedicatieVoorschrift
Definitie	The agreement or order mandating the administration.
Datatype	
DCM::DefinitionCode	NL-CM:9.3.3
DCM::ReferencedDefinitionCode	NL-CM:9.5.1
	Dit is een verwijzing naar concept MedicatieVoorschrift in information model MedicatieVoorschrift.
Opties	

«data»	MedicatieToedieningStatus
Definitie	<p>The status of the administration, as a description of the stage within the administration process. For indivisible products (such as tablets or suppositories) only the status codes 'completed' and 'cancelled' apply. For divisible products (such as infusions), administration can also be 'suspended' or 'aborted'.</p> <p>When documenting this, the following interpretations are used:</p> <ul style="list-style-type: none"> • Active: The product is administered. • Interrupted: Use has (temporarily) been interrupted, because of a side effect, for example. Later, the patient and/or doctor can decide whether or not to resume or discontinue use. • Discontinued: Administration has stopped. • Completed: The administration has now been completed (according to the plan, prescription or agreement). • Not started: The product was never administered.
Datatype	CD

DCM::DefinitionCode	NL-CM:9.3.4	
DCM::ExampleValue	Actief	
DCM::ValueSet	MedicatieToedieningStatusCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.1
Opties		

«data»	MedicatieToedieningRedenVanNietToedienen	
Definitie	Reason why the medication was not taken or administered. Here, you can choose to enter text or one of the codes.	
Datatype	CD	
DCM::DefinitionCode	NL-CM:9.3.5	
DCM::ValueSet	MedicatieToedieningRedenVanNietToedienenCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.2
Opties		

«data»	ToedieningsDatumTijd	
Definitie	The date and time at which the medication was taken or administered.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:9.3.6	
DCM::ExampleValue	09-07-2011 07:50	
Opties		

«data»	ToegediendeHoeveelheid	
Definitie	Amount of the administered product.	
Datatype	PQ	
DCM::DefinitionCode	NL-CM:9.3.7	
DCM::ExampleValue	2 st	
Opties		

«data»	Toedieningsweg	
Definitie	The route through which the medication is administered (oral, nasal, intravenous,...).	
Datatype	CD	
DCM::DefinitionCode	NL-CM:9.3.8	
DCM::ExampleValue	Oraal	
DCM::ValueSet	ToedieningToedieningswegCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.3
Opties		

«container»	Toediener	
Definitie	Container of the Administrator concept. This container contains all data elements of the Administrator concept. The concept describes the person who administered the product.	
Datatype		

DCM::DefinitionCode	NL-CM:9.3.9	
Opties		

«context»	Zorgverlener	
Definitie	The healthcare provider who administered the product.	
Datatype		
DCM::DefinitionCode	NL-CM:9.3.10	
DCM::ReferencedDefinitionCode	NL-CM:17.1.1	Dit is een verwijzing naar concept Zorgverlener in information model Zorgverlener.
Opties		

«context»	Patiënt	
Definitie	The patient who administered the product.	
Datatype		
DCM::DefinitionCode	NL-CM:9.3.11	
DCM::ReferencedDefinitionCode	NL-CM:0.1.1	Dit is een verwijzing naar concept Patient in information model Patient.
Opties		

«context»	Mantelzorgger::Contactpersoon	
Definitie	The caregiver who administered the product.	
Datatype		
DCM::DefinitionCode	NL-CM:9.3.12	
DCM::ReferencedDefinitionCode	NL-CM:3.1.1	Dit is een verwijzing naar concept Contactpersoon in information model Contactpersoon.
Opties		

«data»	Toelichting	
Definitie	Comments on administering the medication.	
Datatype	ST	
DCM::DefinitionCode	NL-CM:9.3.13	
DCM::ExampleValue	Toediening onderbroken wegens verstopt infuus.	
Opties		

«document»	ToedieningToedieningswegCodelijst	
Definitie		
Datatype		
Opties		

ToedieningToedieningswegCodelijst	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.3	
Codes	Coding Syst. Name	Coding System OID
Alle waarden	G-Standaard	2.16.840.1.113883.2.4.4.9

	Toedieningswegen	
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«document»		MedicatieToedieningStatusCodelijst		
Definitie				
Datatype				
Opties				
MedicatieToedieningStatusCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.1		
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

«document»		MedicatieToedieningRedenVanNietToedienenCodelijst		
Definitie				
Datatype				
Opties				
MedicatieToedieningRedenVanNietToedienenCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.9.3.2		
Concept Name	Concept Code	Code System Name	Code System OID	Description
Product discontinued	DISCONT	ActReason	2.16.840.1.113883.5.8	Product niet meer leverbaar
Patient not available	NON-AVAIL	ActReason	2.16.840.1.113883.5.8	Patiënt niet beschikbaar
Patient refuse	PREFUS	ActReason	2.16.840.1.113883.5.8	Patiënt heeft geweigerd
Unable to use	UNABLE	ActReason	2.16.840.1.113883.5.8	Toediening volgens voorschrift niet mogelijk
Order aborted	FOABORT	ActReason	2.16.840.1.113883.5.8	Voorschrift is gestopt
Forgotten to administer	FORGOT	NL-CM-CS	2.16.840.1.113883.2.4.3.11.60.40.4	Vergeten toe te dienen
Administration performer not	APNA	NL-CM-CS	2.16.840.1.113883.2.4.3.11.60.40.4	Toediener niet aanwezig

available				
No information	NI	NullFlavor	2.16.840.1.113883.5.1008	Geen informatie

1.8 Example Instances

ToedieningsProduct	Toedieningsweg	Toegediende Hoeveelheid	ToedieningsTijdstip	Medicatie ToedieningStatus	MedicatieToediening RedenVanNietToedienen	Voorschrift
ProductNaam						RedenVanVoorschrijven
Paracetamol tablet 500 mg	Oraal	1 tablet	3-5-2014 10:00	Het product is niet toegediend.	Patiënt heeft geweigerd	Probleem Pijn

ToedieningsProduct	Toedieningsweg	Toegediende Hoeveelheid	ToedieningsTijdstip	Medicatie ToedieningStatus	MedicatieToediening RedenVanNietToedienen	Voorschrift
ProductNaam						RedenVanVoorschrijven
Glucose/NaCl 2,5/0,45% infvlst zak 500ml	iv	500ml	3-5-2014 12:00	Onderbroken		Probleem Ondervulling

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. [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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