

# Health & Care Information Model:

## nl.zorg.DrugUse-v3.4.1

Status: Final

Release status: Prepublished

# Content

<b>1. nl.zorg.DrugUse-v3.4.1 .....</b>	<b>3</b>
1.1 Revision History.....	3
1.2 Concept .....	4
1.3 Mindmap .....	4
1.4 Purpose.....	4
1.5 Patient Population .....	4
1.6 Evidence Base .....	4
1.7 Information Model .....	4
1.8 Example Instances.....	8
1.9 Instructions.....	8
1.10 Interpretation .....	9
1.11 Care Process .....	9
1.12 Example of the Instrument .....	9
1.13 Constraints.....	9
1.14 Issues.....	9
1.15 References .....	9
1.16 Functional Model .....	9
1.17 Traceability to other Standards.....	9
1.18 Disclaimer .....	9
1.19 Terms of Use .....	9
1.20 Copyrights .....	10

# 1. nl.zorg.DrugUse-v3.4.1

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	5-7-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.7.4
DCM::KeywordList	drugsgebruik, verdovende middelen, middelen gebruik, drugs
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.DrugsGebruik
DCM::PublicationDate	15-10-2023
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DCM::RevisionDate	08-09-2023
DCM::Supersedes	nl.zorg.DrugsGebruik-v3.4
DCM::Version	3.4.1
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

Publicatieversie 1.1 (01-07-2013)

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-138, ZIB-139, ZIB-158, ZIB-161, ZIB-167, ZIB-224, ZIB-225, ZIB-308, ZIB-312, ZIB-313, ZIB-316, ZIB-319.

Incl. algemene wijzigingsverzoeken:

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

Publicatieversie 1.2.1 (22-05-2015)

Bevat: ZIB-388.

Publicatieversie 1.2.2 (16-07-2015)

Bevat: ZIB-418.

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-475, ZIB-488, ZIB-505, ZIB-512, ZIB-564.

Publicatieversie 3.2 (31-12-2017)

Bevat: ZIB-555.

Publicatieversie 3.3 (01-09-2020)  
Bevat: ZIB-936, ZIB-1181.

Publicatieversie 3.4 (01-12-2021)  
Bevat: ZIB-1009, ZIB-1302, ZIB-1575.

Publicatieversie 3.4.1 (15-10-2023)  
Bevat: ZIB-1974.

## 1.2 Concept

Drugs (or: narcotics, amphetamines, intoxicants, highs, hallucinogenics, illegal substances or dope) is a collective term for drugs and chemical substances with a more or less 'drugging' (anesthetic, boosting and/or hallucinogenic) effect and which can lead to addiction. Drug [Online] Available at: [nl.Wikipedia.org/wiki/drug](http://nl.Wikipedia.org/wiki/drug) [Accessed: 11 February 2015].

This information model describes the information asked of the patient about their drug use.

## 1.3 Mindmap

## 1.4 Purpose

Documenting and sharing registration of the drug use, as described in the concept.

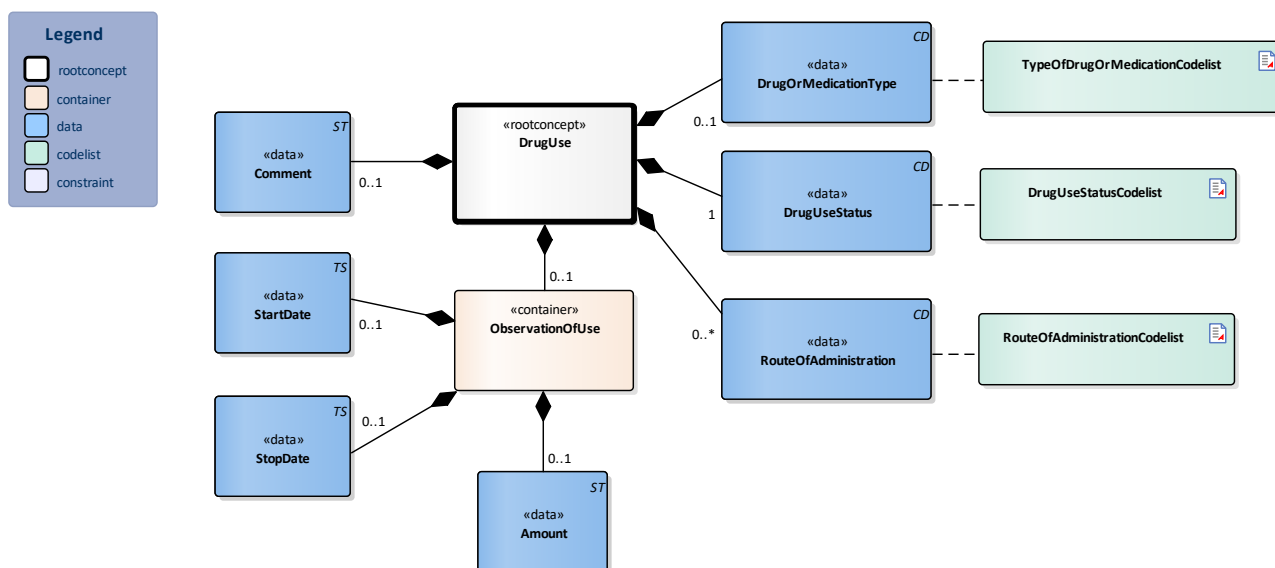
## 1.5 Patient Population

## 1.6 Evidence Base

Though this information model can also be used to abuse (the patient's own) medication, the project group eventually decided to focus on information on drug use, as described in the concept.

Seeing as there is a large variety of ways to record the amount of drugs used, we decided that this part is to be entered as free text.

## 1.7 Information Model



<b>Definitie</b>	Root concept of the DrugUse information model. This concept contains all data elements of the DrugUse information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:7.4.1	
<b>DCM::DefinitionCode</b>	SNOMED CT: 228366006 Finding relating to drug misuse behavior	
<b>Opties</b>		

<b>«container»</b>	<b>ObservationOfUse</b>	
<b>Definitie</b>	Container for ObservationOfUse. This container contains all data elements of the ObservationOfUse container.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:7.4.5	
<b>Opties</b>		

<b>«data»</b>	<b>StartDate</b>	
<b>Definitie</b>	The date on which the patient started using.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:7.4.6	
<b>DCM::ExampleValue</b>	1975	
<b>Opties</b>		

<b>«data»</b>	<b>StopDate</b>	
<b>Definitie</b>	The date on which the patient quit using.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:7.4.7	
<b>DCM::ExampleValue</b>	28-02-2012	
<b>Opties</b>		

<b>«data»</b>	<b>Amount</b>	
<b>Definitie</b>	The number of units (pills, joints, shots etc.) per day, week, month, or year; or the frequency of use.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:7.4.8	
<b>DCM::ExampleValue</b>	3 maal per week	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Relevant comments on the drug use.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:7.4.9	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>DCM::ExampleValue</b>	XTC	
<b>Opties</b>		

<b>«data»</b>	<b>DrugOrMedicationType</b>	
<b>Definitie</b>	Type of drug used by the patient.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:7.4.2	
<b>DCM::ExampleValue</b>	LSD	
<b>DCM::ValueSet</b>	TypeOfDrugOrMedicationCo delist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.1

<b>Opties</b>	
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«data»	DrugUseStatus	
<b>Definitie</b>	Indication stating whether there was any drug use in the past or present.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:7.4.3	
<b>DCM::DefinitionCode</b>	SNOMED CT: 228366006 Finding related to drug misuse behaviour (finding)	
<b>DCM::ExampleValue</b>	Huidig gebruik	
<b>DCM::ValueSet</b>	DrugUseStatusCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.2
<b>Opties</b>		

«data»	RouteOfAdministration	
<b>Definitie</b>	The way the drugs are used.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:7.4.4	
<b>DCM::DefinitionCode</b>	SNOMED CT: 410675002 Route of administration	
<b>DCM::ExampleValue</b>	intravenous (spuiten)	
<b>DCM::ValueSet</b>	RouteOfAdministrationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.3
<b>Opties</b>		

«document»	DrugUseStatusCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.7.4.2	
<b>HCIM::ValueSetLanguage</b>	--	
<b>Opties</b>		

DrugsGebruikStatusCodelist			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.2	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Current drug user	417284009	SNOMED CT	2.16.840.1.113883.6.96	huidige drugsgebruiker
Does not misuse drugs	228367002	SNOMED CT	2.16.840.1.113883.6.96	gebruikt geen drugs
Has never misused drugs	228368007	SNOMED CT	2.16.840.1.113883.6.96	heeft nooit drugs gebruikt
Misused drugs in past (finding)	44870007	SNOMED CT	2.16.840.1.113883.6.96	heeft in het verleden drugs gebruikt
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	anders

«document»	RouteOfAdministrationCodelist	
<b>Definitie</b>		
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Extensible	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11.60.40.2.7.4.3	
<b>HCIM::ValueSetLanguage</b>	NL	

Opties				
ToedieningswegCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.3	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
ORAAL	9	G-Standaard Toedieningswegen	2.16.840.1.113883.2.4.4.9	oraal
NASAAL	6	G-Standaard Toedieningswegen	2.16.840.1.113883.2.4.4.9	nasaal (snuiven)
INHALATIE	62	G-Standaard Toedieningswegen	2.16.840.1.113883.2.4.4.9	Inhalatie (roken)
INTRAVENEUS	5	G-Standaard Toedieningswegen	2.16.840.1.113883.2.4.4.9	Intraveneus (spuiten)
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

«document»	TypeOfDrugOrMedicationCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.7.4.1	
HCIM::ValueSetLanguage	--	
Opties		

DrugsOfGeneesmiddelSoortCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.7.4.1	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Heroin (substance)	387341002	SNOMED CT	2.16.840.1.113883.6.96	Heroïne
Benzodiazepine (substance)	372664007	SNOMED CT	2.16.840.1.113883.6.96	Benzodiazepine
Methadone (substance)	387286002	SNOMED CT	2.16.840.1.113883.6.96	Methadon
Hydroxybutyric acid (substance)	62821004	SNOMED CT	2.16.840.1.113883.6.96	GHB
Cocaine (substance)	387085005	SNOMED CT	2.16.840.1.113883.6.96	Cocaïne
Cocaine freebase (substance)	229003004	SNOMED CT	2.16.840.1.113883.6.96	Crack, base coke
Methylenedioxymethamphetamine (substance)	288459003	SNOMED CT	2.16.840.1.113883.6.96	MDMA
Amphetamine (substance)	703842006	SNOMED CT	2.16.840.1.113883.6.96	Amfetamine, speed
Cannabis (substance)	398705004	SNOMED CT	2.16.840.1.113883.6.96	Cannabis, wiet marihuana, hasj
Hallucinogenic mushrooms (substance)	229006007	SNOMED CT	2.16.840.1.113883.6.96	Paddo's
Lysergic acid diethylamide (substance)	15698006	SNOMED CT	2.16.840.1.113883.6.96	LSD
Ketamine (substance)	373464007	SNOMED CT	2.16.840.1.113883.6.96	Ketamine
Phencyclidine (substance)	9721008	SNOMED CT	2.16.840.1.113883.6.96	PCP
Methamphetamine (substance)	387499002	SNOMED CT	2.16.840.1.113883.6.96	Crystal meth, methamfetamine
Anabolic steroid (substance)	111151007	SNOMED CT	2.16.840.1.113883.6.96	Anabole steroïde
Laxative (substance)	372800002	SNOMED CT	2.16.840.1.113883.6.96	Laxans
Buprenorphine (substance)	387173000	SNOMED CT	2.16.840.1.113883.6.96	Buprenorfine
Fentanyl (substance)	373492002	SNOMED CT	2.16.840.1.113883.6.96	Fentanyl
Barbiturate (substance)	372798009	SNOMED CT	2.16.840.1.113883.6.96	Barbituraat
Opioid receptor agonist (substance)	404642006	SNOMED CT	2.16.840.1.113883.6.96	Opiaten zoals morfine, codeïne, methadon,

				oxycodon en andere morfine-derivaten
4-Fluoroamfetamine (substance)	3347100014 6101	SNOMED CT	2.16.840.1.113883.6.96	4FA en/of 4-fmp
Oxycodone (substance)	55452001	SNOMED CT	2.16.840.1.113883.6.96	Oxycodon
Nitrous oxide (substance)	111132001	SNOMED CT	2.16.840.1.113883.6.96	Lachgas
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

Legend	
<b>Definitie</b>	
<b>Datatype</b>	
<b>Opties</b>	

## 1.8 Example Instances

Soort Middel	Drugs Gebruik Status	Start datum	Stop datum	Toedieningsweg	Hoeveelheid	Toelichting
XTC	misbruikt drugs	1985		oraal	2x per maand	Op feestjes en in uitgaanscircuit. Vroeger wat meer dan tegenwoordig.
Soort Middel	Drugs Gebruik Status	Start datum	Stop datum	Toedieningsweg	Hoeveelheid	Toelichting
Heroïne	heeft in het verleden drugs gebruikt	1970	1985	intraveneus	3x per week	

## 1.9 Instructions

The 'DrugOrMedicationTypeCodelist is extensible. If the drug in question is not on the codelist, the list can be extended with a code from the SNOMED CT hierarchy 'Substance; <105590001' or if necessary from the hierarchy 'Pharmaceutical/biologic product; < 373873005'.

### 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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