

# Health & Care Information Model: nl.zorg.DOSScore-v1.0

Status:Final

Release:2017

Release status: Prepublished

Managed by:

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# 1. nl.zorg.DOSScore-v1.0

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	11-10-2016
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.18.7
DCM::KeywordList	DOS, delier
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.DOSScore
DCM::PublicationDate	04-09-2017
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	04-09-2017
DCM::Superseeds	
DCM::Version	1.0
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 1.2 Concept

The Delirium Observation Screening Scale is a tool to determine whether a patient has delirium. The DOSS includes 13 observations of behavior (verbal and non-verbal) which represent the symptoms of a delirium. These observations can be performed during regular contact with the patient.

## 1.3 Mindmap

## 1.4 Purpose

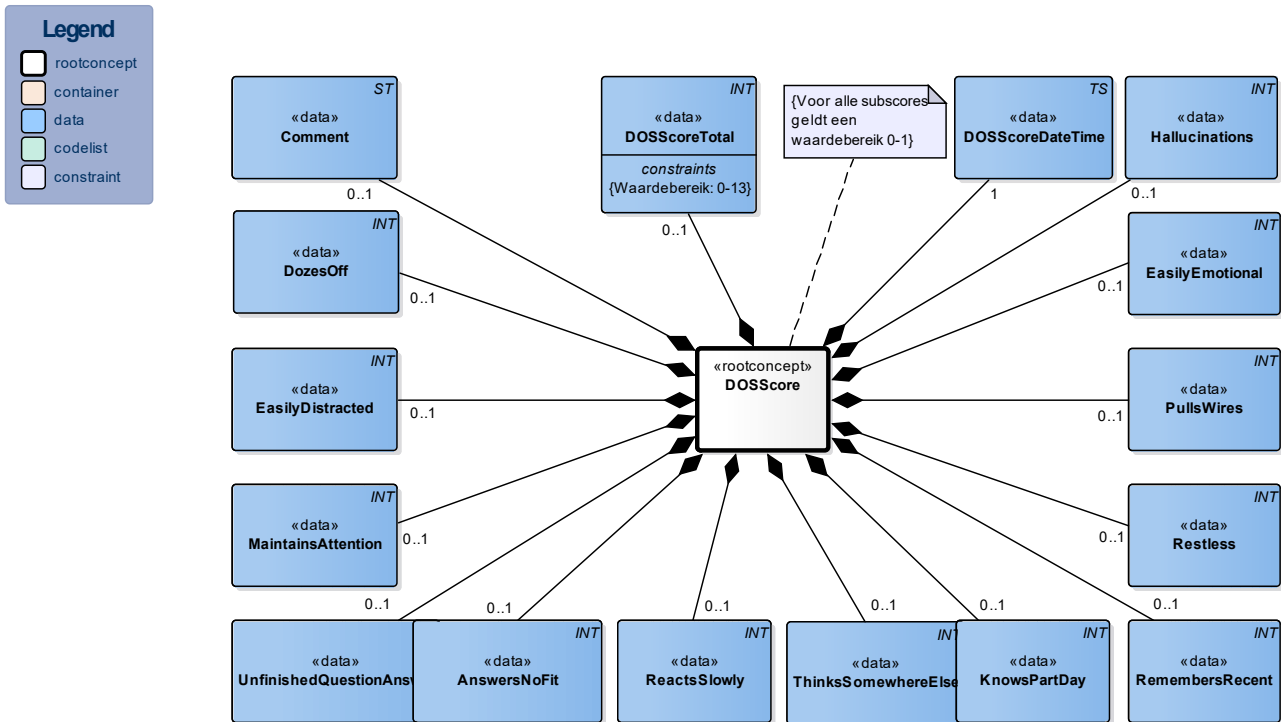
Delirium is one of the most forms of psychopathology among elderly patients and patients in the last phase of their lives. The main characteristic of delirium is the rapid onset and changing of symptoms. The DOSS is meant to qualify and quantify the nature and seriousness of delirium symptoms. This enables a quick start of treatment. The DOSS is used to signal risks and as an evaluation tool.

## 1.5 Patient Population

## 1.6 Evidence Base

The definitions of the concepts are based on the DOS score.

## 1.7 Information Model



«rootconcept»	DOSScore
<b>Definitie</b>	Root concept of the DOSScore information model. This root concept contains all data elements of the DOSScore information model.
<b>Datatype</b>	
<b>DCM::ConceptId</b>	NL-CM:18.7.1
<b>Opties</b>	

«data»	DOSScoreTotal
<b>Definitie</b>	Per shift a total score is calculated (minimum 0 and maximum 13). The total scores of three shifts (day, evening and night shifts) are summed to the total score of the day (minimum 0 and maximum 39).  The DOS scale final score is calculated by dividing the total score of the day by 3 (minimum 0 and maximum 13).  A DOS scale final score < 3 means that the patient is probably not delirious. A DOS scale final score > 3 means that the patiënt is probably delirious.
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.3
<b>Opties</b>	
<b>Constraint</b>	Waardebereik: 0-13

«data»	DOSScoreDateTime
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<b>Definitie</b>	The date on which the DOS score is registered.	
<b>Datatype</b>	TS	
<b>DCM::ConceptId</b>	NL-CM:18.7.5	
<b>Opties</b>		

<b>«data»</b>	<b>DozesOff</b>	
<b>Definitie</b>	DOS observation: patient dozes off during conversation or activities.  Score: 0: never 1: sometimes-always -: don't know	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:18.7.6	
<b>Opties</b>		

<b>«data»</b>	<b>EasilyDistracted</b>	
<b>Definitie</b>	DOS observation: patient is easily distracted by stimuli from the environment.  Someone is easily distracted by stimuli from the environment when he/she responds verbally or non-verbally to sounds or movements that have no relation to him/her and the nature of which does not make you expect a reaction from him/her.  Score: 0: never 1: sometimes-always -: don't know	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:18.7.7	
<b>Opties</b>		

<b>«data»</b>	<b>MaintainsAttention</b>	
<b>Definitie</b>	DOS observation: patient maintains attention to conversation or action.  Someone is maintaining attention to a conversation or action if he/she verbally or non-verbally shows that they are following the conversation or action.  Score: 1: never 0: sometimes-always -: don't know	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:18.7.8	
<b>Opties</b>		

<b>«data»</b>	<b>UnfinishedQuestionAnswer</b>	
<b>Definitie</b>	DOS observation: patient does not finish question or answer.	

	Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.9
<b>Opties</b>	

<b>«data»</b>	<b>AnswersNoFit</b>
<b>Definitie</b>	DOS observation: patient gives answers that do not fit the question.  Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.10
<b>Opties</b>	

<b>«data»</b>	<b>ReactsSlowly</b>
<b>Definitie</b>	DOS observation: patient reacts slowly to instructions.  Someone reacts slowly to instructions when acting is delayed and/or there are moments of stillness/inactivity before moving into action.  Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.11
<b>Opties</b>	

<b>«data»</b>	<b>ThinksSomewhereElse</b>
<b>Definitie</b>	DOS observation: patient thinks they are somewhere else.  Someone thinks they are somewhere else when he/she shows this in words or actions.  Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.12
<b>Opties</b>	

<b>«data»</b>	<b>KnowsPartDay</b>
<b>Definitie</b>	DOS observation: patient knows which part of the day it is.  Someone knows what part of the day it is when he/she shows such in

	words or actions.  Score: 1: never 0: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.13
<b>Opties</b>	

<b>«data»</b>	<b>RemembersRecent</b>
<b>Definitie</b>	DOS observation: patient remembers recent events.  Someone remembers recent events when he/she can for example tell whether they had visitors or what he/she ate.  Score: 1: never 0: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.14
<b>Opties</b>	

<b>«data»</b>	<b>Restless</b>
<b>Definitie</b>	DOS observation: patient is picking, disorderly, restless.  Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.15
<b>Opties</b>	

<b>«data»</b>	<b>PullsWires</b>
<b>Definitie</b>	DOS observation: patient pulls IV tubing, feeding tubes, catheters, etc.  Score: 0: never 1: sometimes-always -: don't know
<b>Datatype</b>	INT
<b>DCM::ConceptId</b>	NL-CM:18.7.16
<b>Opties</b>	

<b>«data»</b>	<b>EasilyEmotional</b>
<b>Definitie</b>	DOS observation: patient is easily or suddenly emotional.  Someone is easily or suddenly emotional when he/she responds with a fierce emotion without provocation or when the fierceness of the emotion

	does not seem to match the provocation.	
	Score: 0: never 1: sometimes-always -: don't know	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:18.7.17	
<b>Opties</b>		

<b>«data»</b>	<b>Hallucinations</b>	
<b>Definitie</b>	DOS observation: patient sees/hears things which are not there.  Someone sees/hears things which are not there when he/she shows this verbally (ask!) or non-verbally.  Score: 0: never 1: sometimes-always -: don't know	
<b>Datatype</b>	INT	
<b>DCM::ConceptId</b>	NL-CM:18.7.18	
<b>Opties</b>		

<b>«data»</b>	<b>Comment</b>	
<b>Definitie</b>	Comment on the DOS score.	
<b>Datatype</b>	ST	
<b>DCM::ConceptId</b>	NL-CM:18.7.2	
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment	
<b>Opties</b>		

## 1.8 Example Instances



DOSScore	
ZaktWeg	1
SnelAfgeleid	1
HeeftAandacht	0
VraagAntwoordNietAf	-
AntwoordenNietPassend	1
ReageertTraag	-
DenktErgensAnders	0
BeseftDagdeel	0
HerinnertRecent	0
Rusteloos	0
TrektDraden	0
SnelGeemotioneerd	1
Hallucinaties	0
DOSScoreDienst	Dagdienst
DOSScoreTotaal	4
DOSScoreDatumTijd	19-12-2016 10:35
Toelichting	-

## 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

This Health and Care Information Model (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating parties are not liable for any damages resulting from omissions or inaccuracies in the information provided, nor are they liable for damages resulting from problems caused by or inherent to distributing information on the internet, such as malfunctions, interruptions, errors or delays in information or services provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating parties will also not accept liability for any damages resulting from the use of data, advice or ideas provided by or on behalf of the parties by means of this Health and Care Information Model. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model documents and files, the most recent and highest version of the listed order in the revisions will indicate the priority of the documents in question. If information included in the digital version of this Health and Care Information Model is also distributed in writing, the written version will be leading in case of textual differences. This will apply if both have the same version number and date. A definitive version has priority over a draft version. A revised version has priority over previous versions.

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