# Health & Care Information Model:

# nl.nfu.SpecificMentalFunctions-v1.0

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# Content

# 1. nl.nfu.SpecificMentalFunctions-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 | 1-4-2014 |
| DCM::DeprecatedDate | |
| DCM::DescriptionLanguage | nl |
| DCM::EndorsingAuthority.Address | |
| DCM::EndorsingAuthority.Name | NFU & V&VN |
| DCM::EndorsingAuthority.Telecom | |
| DCM::Id | 2.16.840.1.113883.2.4.3.11.60.40.3.18.4 |
| DCM::KeywordList | Specifieke mentale functies, denken, geheugen, stemming, aandacht |
| DCM::LifecycleStatus | Final |
| DCM::ModelerList | Werkgroep RadB Verpleegkundige Gegevens |
| DCM::Name | nl.nfu.SpecifiekeMentaleFuncties |
| DCM::PublicationDate | 8-9-2015 |
| DCM::PublicationStatus | Published |
| DCM::ReviewerList | Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate | 8-9-2015 |
| DCM::Superseeds | |
| DCM::Version | 1.0 |
| HCIM::PublicationLanguage | EN |

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

## 1.2 Concept

Important parts of the brain's specific mental functions are attention, mood, thought and memory. Disorders in attention, memory and observation combined with orientation and consciousness from the GeneralMentalFunctions building block are seen as important symptoms for a delirium.

The concept specific mental functions does not contain behavior resulting from a mental disorder.

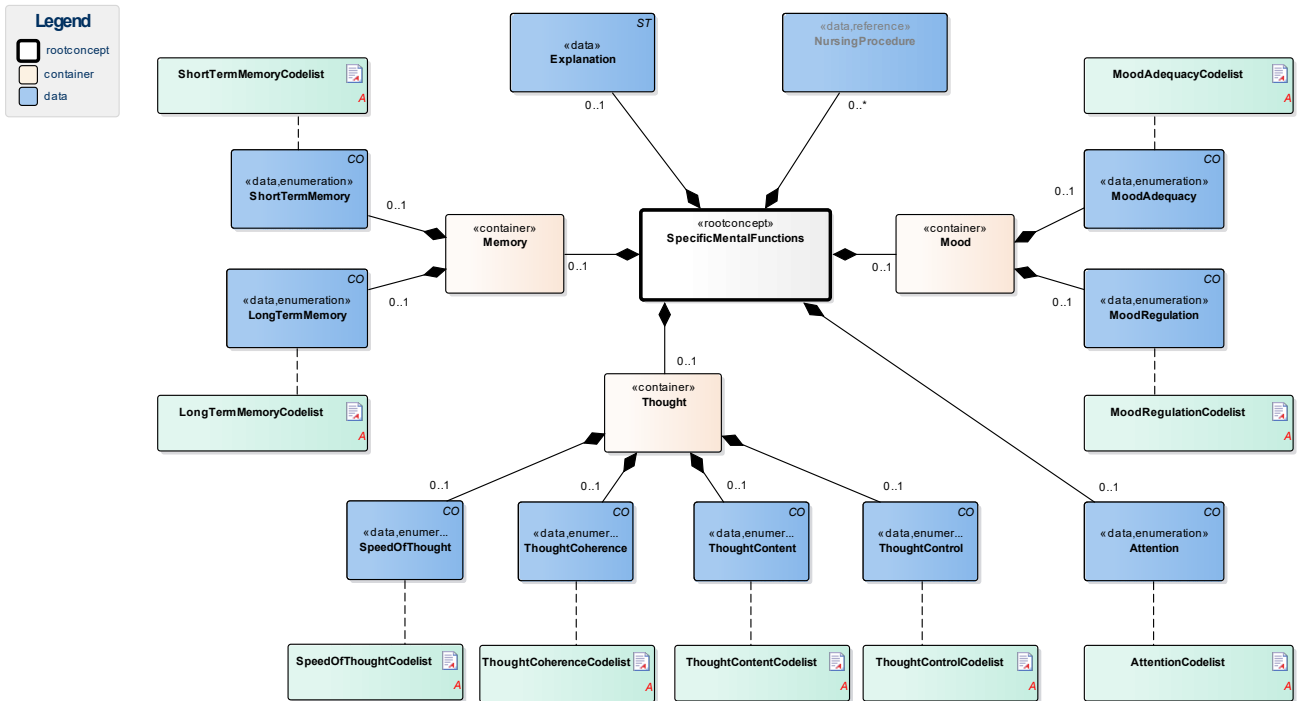## 1.3 Mindmap

## 1.4 Purpose

There is a link between the described specific mental functions. In context, insight into any disorders in the function(s) can provide a good picture of the patient's mental state. This information is essential in drawing up the healthcare plan, taking into account the approach and support for the patient within their wishes and possibilities.

## 1.5 Patient Population

# 1.6    Evidence Base

The definitions of the concepts were (partially) taken from the ICF definitions.

# 1.7    Information Model



| «rootconcept» | SpecificMentalFunctions | |
|---|---|---|
| Definitie | Root concept of the SpecificMentalFunctions building block. This concept contains all data elements of the SpecificMentalFunctions building block. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:18.4.1 | |
| Opties | | |

| «data» | Attention | |
|---|---|---|
| Definitie | Attention is the specific mental function linked to focusing on an external stimulus or an internal experience during the required period.<br>This concept includes holding your attention, changing areas of attention, dividing attention, and sharing attention; concentration; distractibility. | |
| Datatype | CO | |
| DCM::ConceptId | NL-CM:18.4.2 | |
| DCM::DefinitionCode | ICF: b140 Aandacht | |
| DCM::ExampleValue | Lichte stoornis | |
| DCM::ValueSet | AttentionCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.1 |
| Opties | | |

| «container» | Memory | |
|---|---|---|
| Definitie | Container of the Memory concept. This container contains all data | |

| | elements of the Memory concept. |
|---|---|
| **Datatype** | |
| **DCM::ConceptId** | NL-CM:18.4.5 |
| **DCM::DefinitionCode** | SNOMED CT: 303116000 Memory,function |
| **Opties** | |

| «data» | ShortTermMemory | |
|---|---|---|
| **Definitie** | The short-term memory includes the temporary memory storage of around 30 seconds, from which information is lost if it is not stored in the long-term memory. | |
| **Datatype** | CO | |
| **DCM::ConceptId** | NL-CM:18.4.6 | |
| **DCM::DefinitionCode** | ICF: b1440 Korte termijn geheugen | |
| **DCM::ExampleValue** | Matige stoornis | |
| **DCM::ValueSet** | ShortTermMemoryCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.2 |
| **Opties** | | |

| «data» | LongTermMemory | |
|---|---|---|
| **Definitie** | The long-term memory contains the memory system which enables a patient to store information from the short-term memory for longer periods of time. This includes both autobiographical memory, in which memories of certain events are stored, and semantic memory for language and facts. | |
| **Datatype** | CO | |
| **DCM::ConceptId** | NL-CM:18.4.7 | |
| **DCM::DefinitionCode** | ICF: b1441 Lange termijn geheugen | |
| **DCM::ExampleValue** | Lichte stoornis | |
| **DCM::ValueSet** | LongTermMemoryCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.3 |
| **Opties** | | |

| «container» | Thought | |
|---|---|---|
| **Definitie** | Container of the Thought concept. This container contains all data elements of the Thought concept. | |
| **Datatype** | | |
| **DCM::ConceptId** | NL-CM:18.4.8 | |
| **DCM::DefinitionCode** | SNOMED CT: 88952004 Thinking,function | |
| **Opties** | | |

| «data» | SpeedOfThought | |
|---|---|---|
| **Definitie** | Speed of thought describes the speed of the thinking process. | |
| **Datatype** | CO | |
| **DCM::ConceptId** | NL-CM:18.4.9 | |
| **DCM::DefinitionCode** | ICF: b1600 Denktempo | |
| **DCM::ExampleValue** | Lichte stoornis | |

| DCM::ValueSet | SpeedOfThoughtCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.4 |
|---|---|---|
| Opties | | |

| «data» | ThoughtCoherence | |
|---|---|---|
| Definitie | Thought coherence describes the connections within and logic of the thought process. This concept includes superficiality, exhaustive detail and unnecessarily repeating executed procedures, spoken words or sentences and continuing to see past observations. | |
| Datatype | CO | |
| DCM::ConceptId | NL-CM:18.4.10 | |
| DCM::DefinitionCode | ICF: b1601 Wijze van denken | |
| DCM::ExampleValue | Lichte stoornis | |
| DCM::ValueSet | ThoughtCoherenceCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.5 |
| Opties | | |

| «data» | ThoughtContent | |
|---|---|---|
| Definitie | Thought content describes the ideas present in the thought process: that which is conceptualized. This concept includes disorders such as fantasies, overvalued concepts and somatization. | |
| Datatype | CO | |
| DCM::ConceptId | NL-CM:18.4.11 | |
| DCM::DefinitionCode | ICF: b1602 Inhoud denkproces | |
| DCM::ExampleValue | Lichte stoornis | |
| DCM::ValueSet | ThoughtContentCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.6 |
| Opties | | |

| «data» | ThoughtControl | |
|---|---|---|
| Definitie | The specific mental functions that describe the voluntary control of thought and which are recognized as such by the patient. This concept contains disorders such as getting stuck in certain thoughts, obsession and receiving and experiencing forced thoughts. | |
| Datatype | CO | |
| DCM::ConceptId | NL-CM:18.4.12 | |
| DCM::DefinitionCode | ICF: b1603 Controle denkproces | |
| DCM::ExampleValue | Matige stoornis | |
| DCM::ValueSet | ThoughtControlCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.7 |
| Opties | | |

| «container» | Mood | |
|---|---|---|
| Definitie | Container of the Mood concept. This container contains all data elements of the Mood concept. | |
| Datatype | | |
| DCM::ConceptId | NL-CM:18.4.13 | |

| DCM::DefinitionCode | SNOMED CT: 85256008 Mood,function | |
|---|---|---|
| **Opties** | | |

| **«data»** | MoodAdequacy | |
|---|---|---|
| **Definitie** | Mood adequacy describes congruence of feeling or affect with the situation, such as happiness when receiving good news. | |
| **Datatype** | CO | |
| **DCM::ConceptId** | NL-CM:18.4.14 | |
| **DCM::DefinitionCode** | ICF: b1520 Adequaatheid van stemming | |
| **DCM::ExampleValue** | Lichte stoornis | |
| **DCM::ValueSet** | MoodAdequacyCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.8 |
| **Opties** | | |

| **«data»** | MoodRegulation | |
|---|---|---|
| **Definitie** | Mood regulation describes experiencing affect and the ability to show affect. | |
| **Datatype** | CO | |
| **DCM::ConceptId** | NL-CM:18.4.15 | |
| **DCM::DefinitionCode** | ICF: b1521 Regulering van stemming | |
| **DCM::ExampleValue** | Matige stoornis | |
| **DCM::ValueSet** | MoodRegulationCodelist | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.9 |
| **Opties** | | |

| **«data»** | NursingProcedure | |
|---|---|---|
| **Definitie** | The nursing procedures needed to help the patient with disorders in specific mental functions. | |
| **Datatype** | | |
| **DCM::ConceptId** | NL-CM:18.4.4 | |
| **DCM::ExampleValue** | Ondersteunen dagstructuur, begeleiding inname medicatie en controleer op (bij)werking. | |
| **DCM::ReferencedConceptId** | NL-CM:14.2.9 | This is a reference to concept VerpleegkundigeActie in information model VerpleegkundigeInterventie. |
| **Opties** | | |

| **«data»** | Explanation | |
|---|---|---|
| **Definitie** | An explanation of the specific mental functions. | |
| **Datatype** | ST | |
| **DCM::ConceptId** | NL-CM:18.4.3 | |
| **DCM::DefinitionCode** | LOINC: 48767-8 Annotation comment | |

| DCM::ExampleValue | Patiënt is verhuisd naar een eenpersoonskamer, omdat hij het idee had dat zijn buurman hem bespiedde. Begrijpt niet goed waarom hij in het ziekenhuis ligt. | |
|---|---|---|
| Opties | | |

| «document» | AttentionCodelist |
|---|---|
| Definitie | |
| Datatype | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.1 |
| Opties | |

| AandachtCodelijst | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.1 | | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1520.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1520.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1520.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1520.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1520.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

| «document» | ShortTermMemoryCodelist |
|---|---|
| Definitie | |
| Datatype | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.2 |
| Opties | |

| GeheugenKorteTermijnCodelijst | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.2 | | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1440.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1440.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1440.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1440.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1440.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

| «document» | LongTermMemoryCodelist |
|---|---|
| Definitie | |
| Datatype | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.3 |
| Opties | |

| GeheugenLangeTermijnCodelijst | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.3 | | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1441.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1441.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1441.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1441.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1441.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

## SpeedOfThoughtCodelist

| «document» | SpeedOfThoughtCodelist | |
|---|---|---|
| **Definitie** | | |
| **Datatype** | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.4 | |
| **Opties** | | |

| DenktempoCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.4 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1600.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1600.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1600.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1600.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1600.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

## ThoughtCoherenceCodelist

| «document» | ThoughtCoherenceCodelist | |
|---|---|---|
| **Definitie** | | |
| **Datatype** | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.5 | |
| **Opties** | | |

| DenkenCoherentieCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.5 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1601.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1601.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1601.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1601.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1601.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

## ThoughtContentCodelist

| «document» | ThoughtContentCodelist | |
|---|---|---|
| **Definitie** | | |
| **Datatype** | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.6 | |
| **Opties** | | |

| DenkenInhoudCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.6 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1602.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1602.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1602.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1602.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1602.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

## ThoughtControlCodelist

| «document» | ThoughtControlCodelist | |
|---|---|---|
| **Definitie** | | |
| **Datatype** | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.7 | |
| **Opties** | | |

| DenkenControleCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.7 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |

| Geen stoornis | b1603.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1603.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1603.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1603.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1603.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

| «document» | MoodAdequacyCodelist | | | |
|---|---|---|---|---|
| **Definitie** | | | | |
| **Datatype** | | | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.8 | | | |
| **Opties** | | | | |

| StemmingAdequaatheidCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.8 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1520.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1520.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1520.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1520.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1520.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

| «document» | MoodRegulationCodelist | | | |
|---|---|---|---|---|
| **Definitie** | | | | |
| **Datatype** | | | | |
| **DCM::ValueSetId** | 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.9 | | | |
| **Opties** | | | | |

| StemmingReguleringCodelijst | | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.18.4.9 | | |
|---|---|---|---|---|
| **Concept Name** | **Concept Code** | **CodeSys. Name** | **CodeSystem OID** | **Description** |
| Geen stoornis | b1521.0 | ICF | 2.16.840.1.113883.6.254 | Stoornis 0-4% |
| Lichte stoornis | b1521.1 | ICF | 2.16.840.1.113883.6.254 | Stoornis 5-24% |
| Matige stoornis | b1521.2 | ICF | 2.16.840.1.113883.6.254 | Stoornis 25-49% |
| Ernstige stoornis | b1521.3 | ICF | 2.16.840.1.113883.6.254 | Stoornis 50-95% |
| Volledige stoornis | b1521.4 | ICF | 2.16.840.1.113883.6.254 | Stoornis 96-100% |

## 1.8 Example Instances

| SpecifiekeMentaleFuncties | |
|---|---|
| Aandacht | Lichte stoornis (5-24%) |
| **Geheugen** | |
| GeheugenKorteTermijn | Lichte stoornis (5-24%) |
| GeheugenLangeTermijn | Matige stoornis (25-49%) |
| **Stemming** | |
| StemmingAdequaatheid | Lichte stoornis (5-24%) |
| StemmingRegulering | Matige stoornis (25-49%) |
| **Denken** | |
| Denktempo | Lichte stoornis (5-24%) |
| DenkenCoherentie | Lichte stoornis (5-24%) |
| DenkenInhoud | Lichte stoornis (5-24%) |
| DenkenControle | Matige stoornis (25-49%) |
| **VerpleegkundigeActie** | |
| Activiteit | Ondersteuning dagstructuur aan de hand van programma, lag op een eenpersoonskamer. |
| Toelichting | Patiënt is na operatie acuut verward geweest, gaat al wel beter, maar is soms nog weg kwijt. Heeft wel door dat hij soms in de war is en vindt dit erg vervelend. |

## 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. International Classification of Functioning Disability and Health (ICF) [Online] Beschikbaar op: http:/www.rivm.nl/who-fic/icf.htm [Geraadpleegd: 13 februari 2015]

## 1.16 Functional Model

## 1.17  Traceability to other Standards


## 1.18  Disclaimer

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