

# Health & Care Information Model:

## nl.zorg.HearingFunction-v3.2

Status:Final

Release:2019

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# Content

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# 1. nl.zorg.HearingFunction-v3.2

DCM::CoderList	Werkgroep RadB Verpleegkundige Gegevens
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Werkgroep RadB Verpleegkundige Gegevens
DCM::CreationDate	4-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.17
DCM::KeywordList	Horen, auditieve functies, gehoor
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.zorg.FunctieHoren
DCM::PublicationDate	29-01-2020
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	16-05-2019
DCM::Supersedes	nl.zorg.FunctieHoren-v3.1
DCM::Version	3.2
HCIM::PublicationLanguage	EN

## 1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-530, ZIB-531

Publicatieversie 3.2 (06-07-2019)

Bevat: ZIB-732.

## 1.2 Concept

Hearing is the ability to observe sound, with the purpose of communicating with others, localizing the source of the sound and recognizing certain sounds. This pertains to observing the sound waves, and not processing the sounds in the brain.

A hearing disorder can lead to things including communication problems.

## 1.3 Mindmap

## 1.4 Purpose

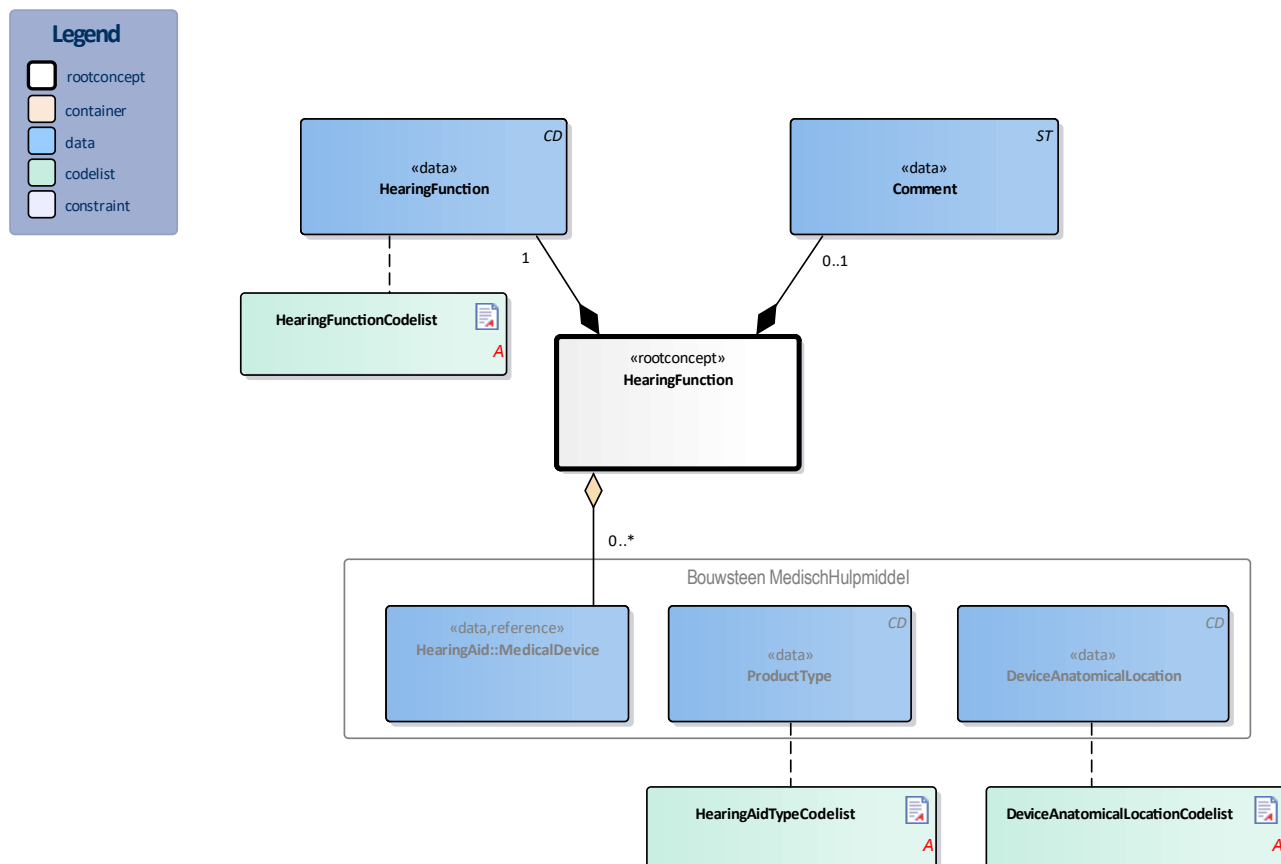
Information on hearing function disorders is important in patient nursing and care and particularly in communication with the patient.

## 1.5 Patient Population

## 1.6 Evidence Base

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

## 1.7 Information Model



<b>«rootconcept»</b>	HearingFunction	
<b>Definitie</b>	Root concept of the HearingFunction information model. This concept contains all data elements of the HearingFunction information model.	
<b>Datatype</b>		
<b>DCM::ConceptId</b>	NL-CM:4.17.1	
<b>Opties</b>		

«data»	HearingFunction	
Definitie	The faculty of hearing due to responses to stimuli from auditory organs, capacity to hear.	
Datatype	CD	
DCM::ConceptId	NL-CM:4.17.3	
DCM::DefinitionCode	SNOMED CT:47078008 Hearing, function	
DCM::ExampleValue	Verminderde gehoorfunctie	
DCM::ValueSet	HearingFunctionCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1
Opties		

«data»	HearingAid::MedicalDevice	
Definitie	The medical aid used to help the patient hear.	
Datatype		
DCM::ConceptId	NL-CM:4.17.4	
DCM::DefinitionCode	SNOMED CT: 6012004 Hearing aid	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to the rootconcept of information model MedicalDevice.
Opties		

«data»	ProductType	
Definitie	The type of product used to help the patient hear.	
Datatype	CD	
DCM::ConceptId	NL-CM:10.1.3	
DCM::ExampleValue	Gehoorapparaat	
DCM::ValueSet	HearingAidTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.2
Opties		

«data»	DeviceAnatomicalLocation	
Definitie	The anatomical location of the hearing aid, such as: 'left ear'.	
Datatype	CD	
DCM::ConceptId	NL-CM:10.1.6	
DCM::DefinitionCode	SNOMED CT: 363698007 Finding site	
DCM::ExampleValue	Linkeroor	
DCM::ValueSet	DeviceAnatomicalLocationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.3
Opties		

«data»	Comment	
Definitie	A comment on the hearing function.	
Datatype	ST	
DCM::ConceptId	NL-CM:4.17.2	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::ExampleValue	Door duidelijk articuleren en langzaam te praten kan patiënt redelijk verstaan.	
Opties		

«document»	DeviceAnatomicalLocationCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11. 60.40.2.4.17.3	
Opties		

LocatieGehoorapparaatCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.3		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Left ear (body structure)	89644007	SNOMED CT	2.16.840.1.113883.6.96	Linkeroor
Right ear (body structure)	25577004	SNOMED CT	2.16.840.1.113883.6.96	Rechteroor
Both ears (body structure)	34338003	SNOMED CT	2.16.840.1.113883.6.96	Beide oren

«document»		HearingFunctionCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding		Required		
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1		
Opties				
HoorFunctieCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Hearing normal	162339002	SNOMED CT	2.16.840.1.113883.6.96	Geen gehoorstoornis
Hearing loss	15188001	SNOMED CT	2.16.840.1.113883.6.96	Verminderde gehoorfunctie
Complete deafness	8531006	SNOMED CT	2.16.840.1.113883.6.96	Volledig doof

«document»		HearingAidTypeCodelist		
Definitie				
Datatype				
DCM::ValueSetBinding		Extensible		
DCM::ValueSetId		2.16.840.1.113883.2.4.3.11.60.40.2.4.17.2		
Opties				
HorenHulpmiddelTypeCodelijst		OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.2		
Concept Name	Concept Code	CodeSys. Name	CodeSystem OID	Description
Geen	0	Hulpmiddelen gehoor	2.16.840.1.113883.2.4.3.11.22.211	Geen
Hearing aid	6012004	SNOMED CT	2.16.840.1.113883.6.96	Gehoorapparaat
Aid to hearing [DEPRECATED]	272182005	SNOMED CT	2.16.840.1.113883.6.96	Gehoorapparaat

Legend	
Definitie	
Datatype	
Opties	

## 1.8 Example Instances

FunctieHoren	
HoorFunctie	Verminderde gehoorfunctie
HorenHulpmiddel	
ProductType	Gehoorapparaat
HulpmiddelAnatomischeLocatie	Linkeroor
Toelichting	Door duidelijk articuleren en langzaam te praten kan patiënt redelijk verstaan.

## **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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