

# Health & Care Information Model:

nl.zorg.HearingFunction-v3.3

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# Content

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# 1. nl.zorg.HearingFunction-v3.3

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	10-06-2022
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	26-05-2022
DCM::Supersedes	nl.zorg.FunctieHoren-v3.2.1
DCM::Version	3.3
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.

Publicatieversie 3.2.1 (01-12-2021)

Bevat: ZIB-1575.

Publicatieversie 3.3 (10-06-2022)

Bevat: ZIB-1621.

## 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

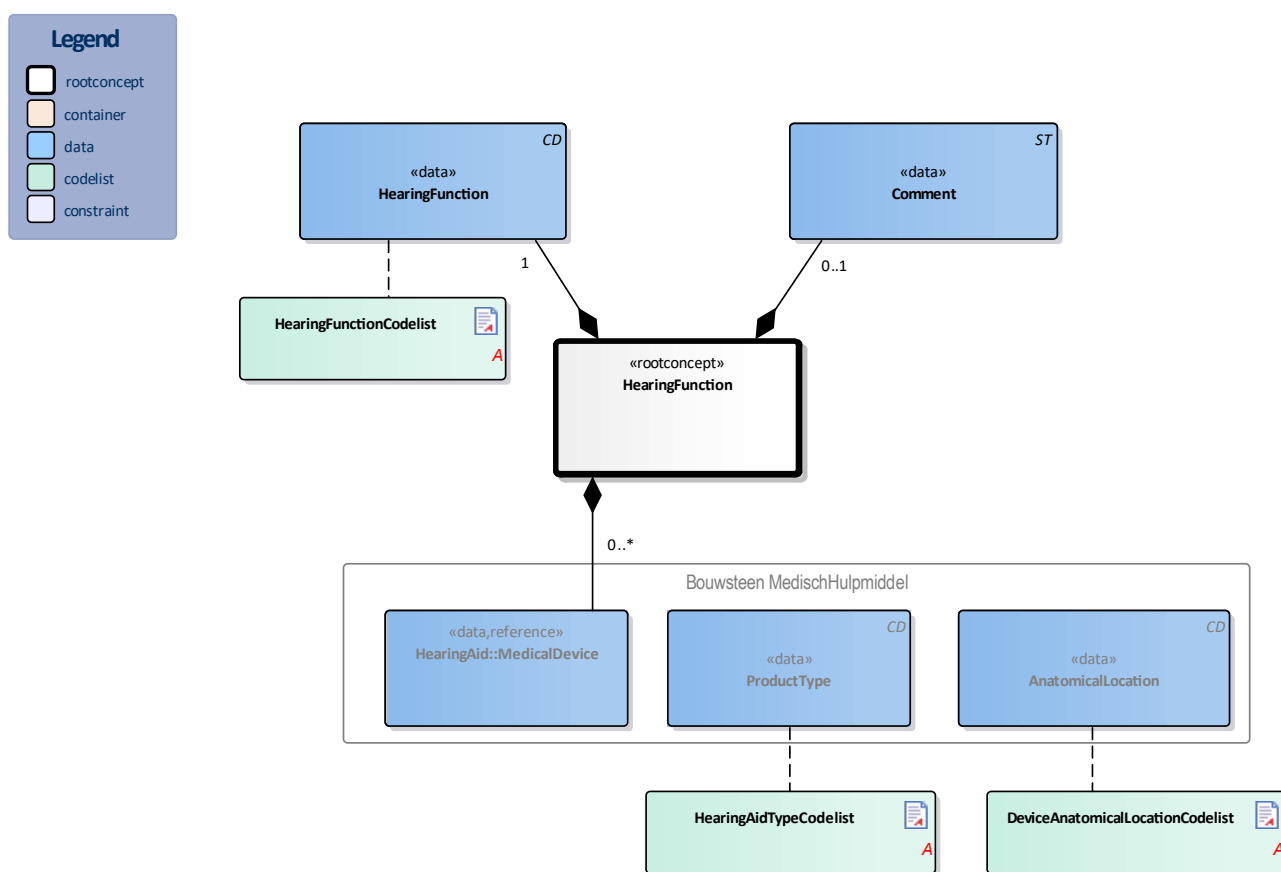
Information on hearing function disorders is important in patient nursing and care and particularly in communication with the patient.

## 1.5 Patient Population

## 1.6 Evidence Base

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

## 1.7 Information Model



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

«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	

<b>DCM::DefinitionCode</b>	SNOMED CT:47078008 Hearing, function	
<b>DCM::ExampleValue</b>	Verminderde gehoorfunctie	
<b>DCM::ValueSet</b>	HearingFunctionCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1
<b>Opties</b>		

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

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

<b>«data»</b>	<b>AnatomicalLocation</b>	
<b>Definitie</b>	The anatomical location of the hearing aid, such as: 'left ear'.	
<b>Datatype</b>	CD	
<b>DCM::ConceptId</b>	NL-CM:10.1.15	
<b>DCM::DefinitionCode</b>	SNOMED CT: 363698007 Finding site	
<b>DCM::ExampleValue</b>	Linkeroor	
<b>DCM::ValueSet</b>	DeviceAnatomicalLocationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.3
<b>Opties</b>		

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

<b>«document»</b>	<b>DeviceAnatomicalLocationCodelist</b>	
<b>Definitie</b>	This codelist replaces for this information model the codelist of the element Location of the information model AnatomicLocation	
<b>Datatype</b>		
<b>DCM::ValueSetBinding</b>	Required	
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11. 60.40.2.4.17.3	

HCIM::ValueSetLanguage	--	
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Opties	
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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	Rechtersoor
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	
HCIM::ValueSetLanguage	--	
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	
HCIM::ValueSetLanguage	NL	
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

	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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