

Health & Care Information Model: nl.zorg.HearingFunction-v3.0

Status:Final

Release:2016

Release status: Published

Managed by:

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1. nl.zorg.HearingFunction-v3.0

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	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	8-9-2015
DCM::Superseeds	nl.nfu.FunctieHoren-v1.0
DCM::Version	3.0
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (01-07-2015)

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453

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

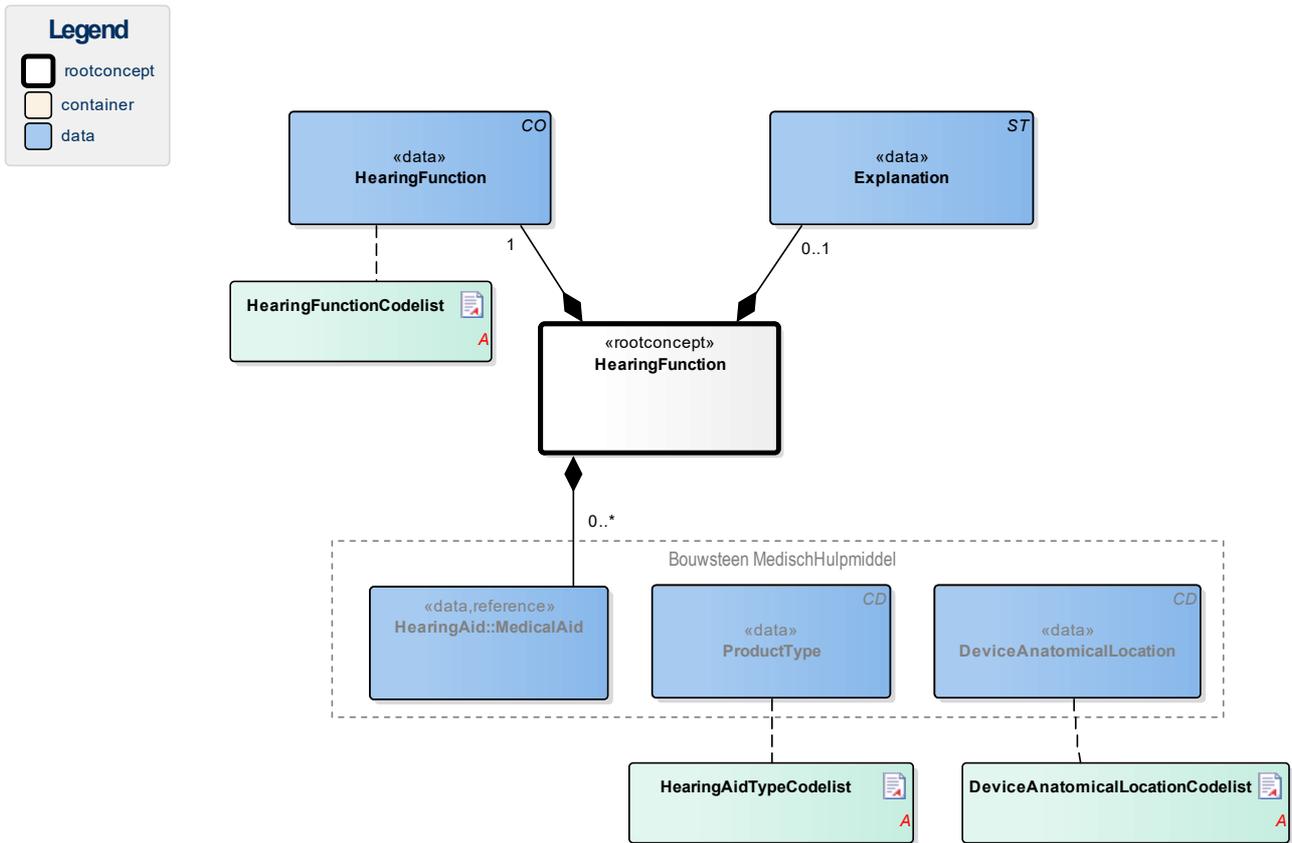
Information on hearing function disorders is important in patient nursing and care and particularly in communication with the patient.

1.5 Patient Population

1.6 Evidence Base

The definitions of the concepts were (partially) taken from the ICF 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	HearingFunction involves observing the presence of sounds and distinguishing between the location, pitch, volume and quality of sounds. This concept describes the presence of a disorder in this function and the extent of the disorder.	
Datatype	CO	
DCM::ConceptId	NL-CM:4.17.3	
DCM::DefinitionCode	ICF: b230 Hoofuncties	
DCM::ExampleValue	Matige stoornis	
DCM::ValueSet	HearingFunctionCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1
Opties		

«data»	HearingAid::MedicalAid	
Definitie	The medical aid used to help the patient hear.	
Datatype		
DCM::ConceptId	NL-CM:4.17.4	
DCM::DefinitionCode	SNOMED CT: 272182005 Aid to hearing	
DCM::ReferencedConceptId	NL-CM:10.1.1	This is a reference to concept MedischHulpmiddel in information model MedischHulpmiddel.
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::ExampleValue	Linkeroor	
DCM::ValueSet	DeviceAnatomicalLocationCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.3
Opties		

«data»	Explanation	
Definitie	An explanation of 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::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
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«document»		HearingFunctionCodelist		
Definitie				
Datatype				
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
Geen stoornis	b230.0	ICF	2.16.840.1.113883.6.254	Stoornis 0-4%
Lichte stoornis	b230.1	ICF	2.16.840.1.113883.6.254	Stoornis 5-24%
Matige stoornis	b230.2	ICF	2.16.840.1.113883.6.254	Stoornis 25-49%
Ernstige stoornis	b230.3	ICF	2.16.840.1.113883.6.254	Stoornis 50-95%
Volledige stoornis	b230.4	ICF	2.16.840.1.113883.6.254	Stoornis 96-100%

«document»		HearingAidTypeCodelist		
Definitie				
Datatype				
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

1.8 Example Instances

FunctieHoren	
HoorFunctie	Matige stoornis (25-49%)
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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