

Health & Care Information Model:

nl.nfu.HearingFunction-v1.0

Status:Final

Release:2015

Release status: Published

Managed by:

Better health
through better IT



Content

1. nl.nfu.HearingFunction-v1.0	3
1.1 Revision History	3
1.2 Concept	3
1.3 Mindmap	3
1.4 Purpose	3
1.5 Patient Population	3
1.6 Evidence Base	3
1.7 Information Model	4
1.8 Example Instances	6
1.9 Instructions	6
1.10 Interpretation	6
1.11 Care Process	7
1.12 Example of the Instrument	7
1.13 Constraints	7
1.14 Issues	7
1.15 References	7
1.16 Functional Model	7
1.17 Traceability to other Standards	7
1.18 Disclaimer	7
1.19 Terms of Use	7
1.20 Copyrights	8

1. nl.nfu.HearingFunction-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	4-4-2014
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	NFU & V&VN
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.4.17
DCM::KeywordList	Horen, auditieve functies, gehoor
DCM::LifecycleStatus	Final
DCM::ModelerList	Werkgroep RadB Verpleegkundige Gegevens
DCM::Name	nl.nfu.FunctieHoren
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

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

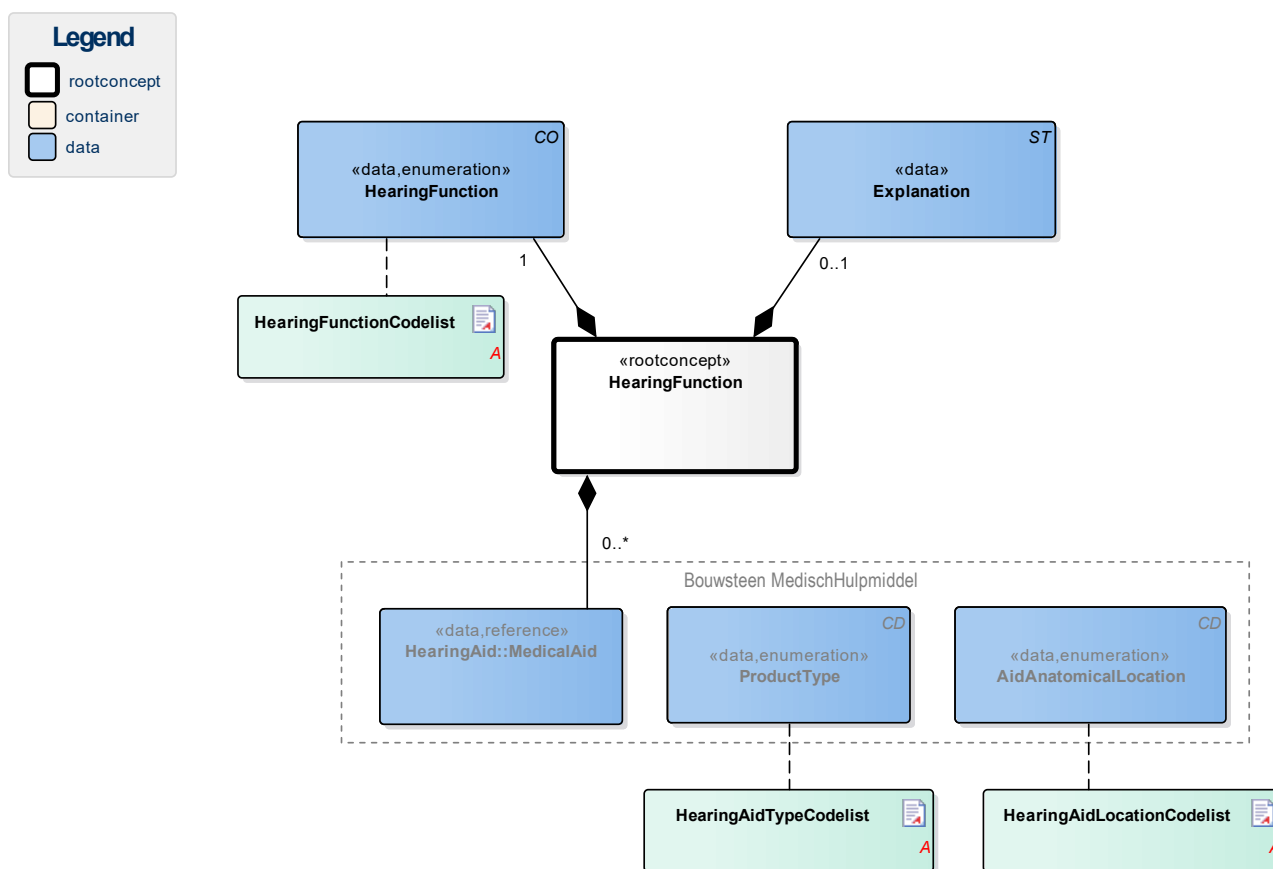
Information on hearing function disorders is important in patient nursing and care and particularly in communication with the patient.

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 building block. This concept contains all data elements of the HearingFunction building block.	
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 Hoorfuncties	
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»	AidAnatomicalLocation	
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	HearingAidLocationCodelist	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»	HearingAidLocationCodelist	
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

«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

The program 'Registratie aan de Bron' [Registration at the Source] is a collaboration between the NFU (Nederlandse Federatie van Universitair Medische Centra, [Netherlands Federation of University Medical Centers]) and Nictiz, hereinafter referred to as the partners. Other parties outside the university medical centers and Nictiz also made important contributions to and worked within 'Registration at the Source'. The parties pay the utmost attention to the reliability and topicality of the data in these Healthcare Information Building Blocks (Clinical Building Block). Omissions and inaccuracies may however occur. The 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 provided by the parties to you or by you to the parties via a website or via e-mail, or any other digital means.

The 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 Healthcare Information Building Block. The parties will not accept any liability for the content of information in this Healthcare Information Building Block to which or from which a hyperlink is referred.

In the event of contradictions in said Healthcare Information Building Block 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 Healthcare Information Building Block is also distributed in writing, the written version will be leading in cases 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.

1.19 Terms of Use

The user may use the information in this Healthcare Information Building Block without limitations. The copyright provisions in the paragraph in question apply to copying, distributing and passing on information

from this Healthcare Information Building Block.

1.20 Copyrights

The user may copy, distribute and pass on the information in this Healthcare Information Building Block under the conditions that apply for Creative Commons license Attribution-NonCommercial-ShareAlike 3.0 Netherlands (CC BY-NC-SA-3.0),

The content is available under Creative Commons Attribution-NonCommercial-ShareAlike 3.0 (also see <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)