

Health & Care Information Model:

nl.zorg.HearingFunction-v3.4

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Managed by:



Content

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1. nl.zorg.HearingFunction-v3.4

| | |
|---------------------------------|--|
| 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 | 17-04-2026 |
| DCM::PublicationStatus | Prepublished |
| DCM::ReviewerList | Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate | 16-04-2025 |
| DCM::Supersedes | nl.zorg.FunctieHoren-v3.3 |
| DCM::Version | 3.4 |
| 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.

Publicatieversie 3.4 (24-04-2024)

Bevat: ZIB-2746.

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

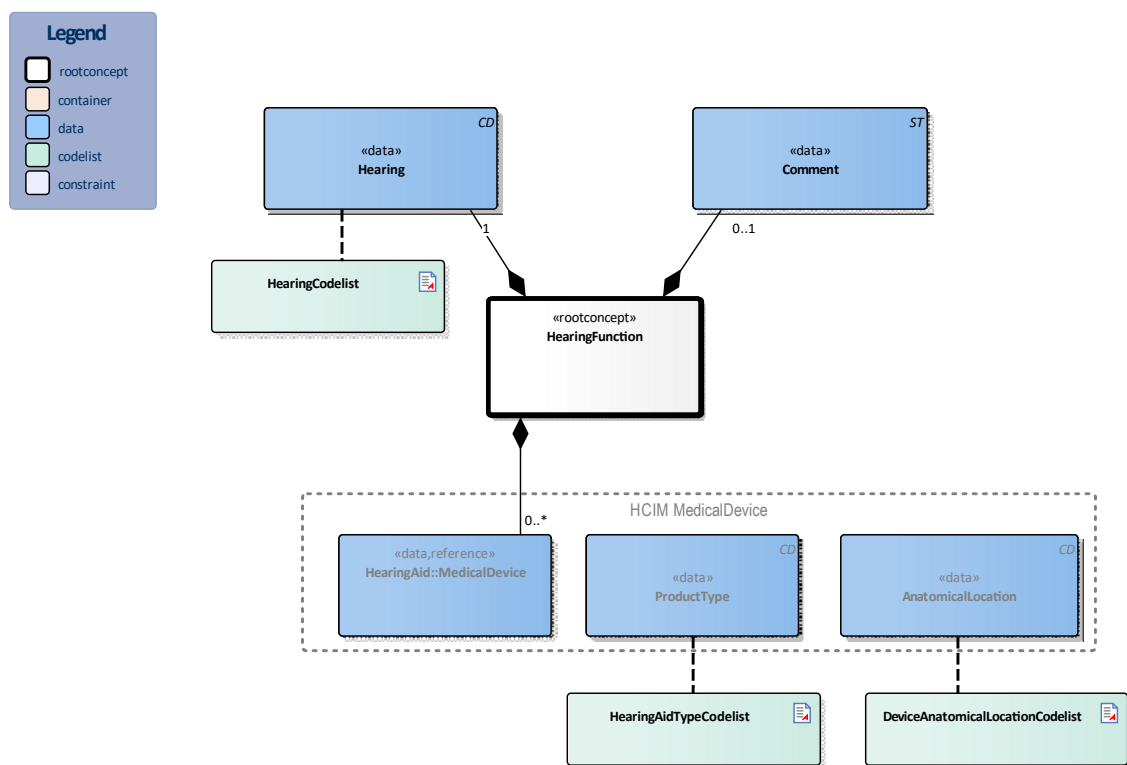
Information on hearing function disorders is important in patient nursing and care and particularly in communication with the patient.

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» | Hearing | |
|-----------|--|--|
| 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 | HearingCodelist | 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» | AnatomicalLocation | |
| Definitie | The anatomical location of the hearing aid, such as: left ear. | |
| Datatype | CD | |
| DCM::ConceptId | NL-CM:10.1.15 | |
| 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 | This codelist replaces for this information model the codelist of the element Location of the information model AnatomicLocation | |
| Datatype | | |
| DCM::ValueSetBinding | Required | |

| | | | | |
|--------------------------------|---|--|------------------------|-------------|
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.3 | | | |
| DCM::ValueSetInclude OTH | False | | | |
| DCM::ValueSetStatus | Active | | | |
| HCIM::ValueSetLanguage | -- | | | |
| 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» | HearingCodelist | | | |
| Definitie | | | | |
| Datatype | | | | |
| DCM::ValueSetBinding | Required | | | |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.4.17.1 | | | |
| DCM::ValueSetInclude OTH | False | | | |
| DCM::ValueSetStatus | Active | | | |
| 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 | | | |
| DCM::ValueSetInclude OTH | True | | | |
| DCM::ValueSetStatus | Active | | | |
| 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

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