

# Health & Care Information Model: nl.zorg.HeadCircumference-v1.0

Final

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# Content

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# 1. nl.zorg.HeadCircumference-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               | 11-10-2016   |
| DCM::DeprecatedDate             |  |
| DCM::DescriptionLanguage        | nl   |
| DCM::EndorsingAuthority.Address |  |
| DCM::EndorsingAuthority.Name    |  |
| DCM::EndorsingAuthority.Telecom |  |
| DCM::Id                         | 2.16.840.1.113883.2.4.3.11.60.40.3.12.14                                       |
| DCM::KeywordList                | Schedelomvang, hoofdomtrek   |
| DCM::LifecycleStatus            | Final  |
| DCM::ModelerList                | Werkgroep RadB Verpleegkundige Gegevens  |
| DCM::Name                       | nl.zorg.Schedelomvang  |
| DCM::PublicationDate            | 04-09-2017   |
| DCM::PublicationStatus          | Prepublished   |
| DCM::ReviewerList               | Projectgroep RadB Verpleegkundige Gegevens & Kerngroep Registratie aan de Bron |
| DCM::RevisionDate               | 04-09-2017   |
| DCM::Superseeds                 |  |
| DCM::Version                    | 1.0  |
| HCIM::PublicationLanguage       | EN   |

## 1.1 Revision History

Publicatieversie 1.0 (04-09-2017)

## 1.2 Concept

The head circumference is the size of the head as measured around the head.

## 1.3 Mindmap

## 1.4 Purpose

The head circumference can provide insight into the growth of a(n unborn) child. There may also be a smaller (microcephaly) or larger (macrocephaly) head circumference than average, which can indicate certain diseases or syndromes.

## 1.5 Patient Population

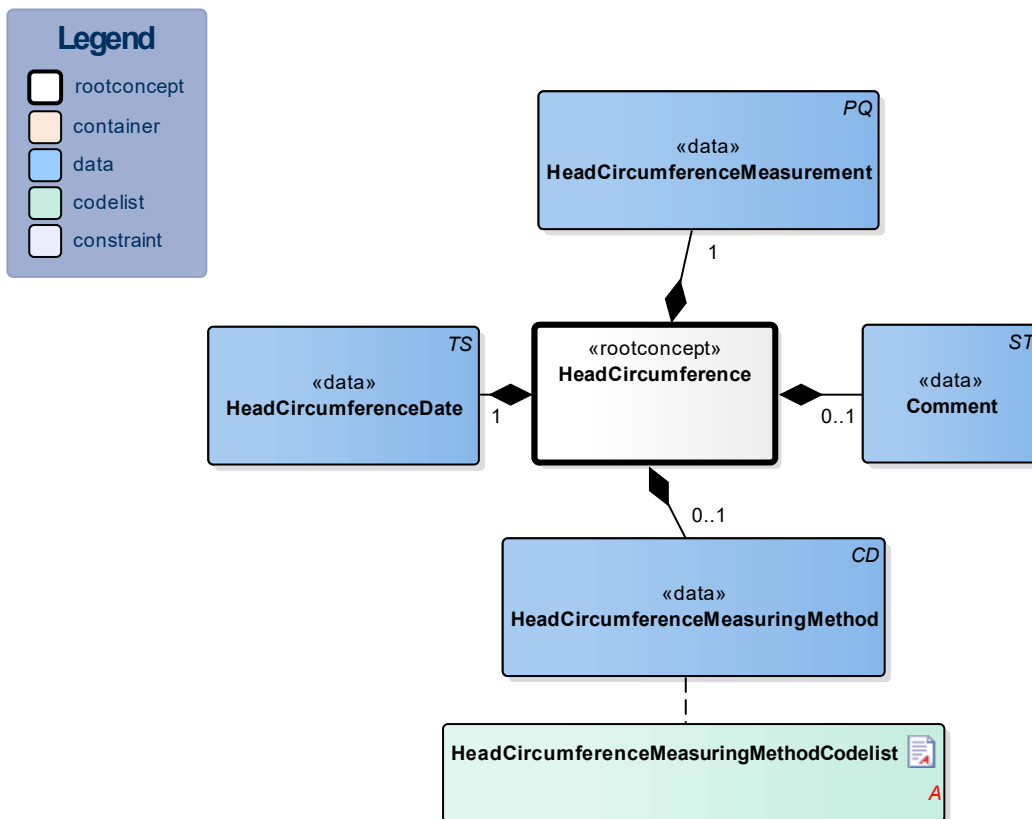
The HeadCircumference information model is meant for all patients, including unborn children.

## 1.6 Evidence Base

The definitions of the concepts were (partly) based on the guidelines Fetal Growth Retardation of the NVOG

and PTEN Hamartoma Tumor Syndrome by the VKGN.

## 1.7 Information Model



| «data»              | Comment                            |
|---------------------|------------------------------------|
| Definitie           | Comment on the head circumference. |
| Datatype            | ST                                 |
| DCM::ConceptId      | NL-CM:12.14.4                      |
| DCM::DefinitionCode | LOINC: 48767-8 Annotation comment  |
| Opties              |                                    |

| «rootconcept»  | HeadCircumference   |
|----------------|---|
| Definitie      | Root concept of the HeadCircumference information model. This root concept contains all data elements of the HeadCircumference information model. |
| Datatype       |   |
| DCM::ConceptId | NL-CM:12.14.1   |
| Opties         |   |

| «data»            | HeadCircumferenceDate                                  |
|-------------------|--|
| Definitie         | The date on which the head circumference was measured. |
| Datatype          | TS   |
| DCM::ConceptId    | NL-CM:12.14.2  |
| DCM::ExampleValue | 21-05-2015   |
| Opties            |  |

| «data»              | HeadCircumferenceMeasurement   |  |
|---------------------|--|--|
| Definitie           | The value of the head circumference as measured in centimeters (cm). |  |
| Datatype            | PQ   |  |
| DCM::ConceptId      | NL-CM:12.14.3  |  |
| DCM::DefinitionCode | SNOMED CT: 363812007<br>Head circumference                           |  |
| DCM::ExampleValue   | 50cm   |  |
| Opties              |  |  |

| «data»              | HeadCircumferenceMeasuringMethod  |  |
|---------------------|---|--|
| Definitie           | There are different methods to measure the head circumference: prenatal measurement using ultrasound or postnatal measurement using a measuring tape by measuring from the backside of the head (occiput) to above the eyes (supraorbital). |  |
| Datatype            | CD  |  |
| DCM::ConceptId      | NL-CM:12.14.5   |  |
| DCM::DefinitionCode | SNOMED CT: 56792006<br>Measurement of skull circumference   |  |
| DCM::ValueSet       | HeadCircumferenceMeasuringMethodCodelist  | OID:<br>2.16.840.1.113883.2.4.3.11.60.40.2.12.14.1 |
| Opties              |   |  |

| «document»      | HeadCircumferenceMeasuringMethodCodelist   |  |
|-----------------|--|--|
| Definitie       |  |  |
| Datatype        |  |  |
| DCM::ValueSetId | 2.16.840.1.113883.2.4.3.11.60.40.2.12.14.1 |  |
| Opties          |  |  |

| SchedelomvangMeetmethodeCodelijst                      |                | OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.14.1 |                        |   |
|--|----------------|---|------------------------|---|
| Concept Name   | Concept Code   | CodeSys. Name                                   | CodeSystem OID         | Description   |
| Measurement of skull circumference with measuring tape | 31551000146109 | SNOMED CT                                       | 2.16.840.1.113883.6.96 | Meten van schedelomvang m.b.v. meetlint               |
| Ultrasound measurement of skull circumference          | 31561000146107 | SNOMED CT                                       | 2.16.840.1.113883.6.96 | Meten van schedelomvang m.b.v. echografisch onderzoek |

## 1.8 Example Instances

| <b>Schedelomvang</b>   |                       |
|------------------------|-----------------------|
| SchedelomvangWaarde    | 41 cm                 |
| SchedelomvangDatumTijd | 19-12-2016            |
| Toelichting            | Gemeten bij 3 maanden |

## **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**

## **1.16 Functional Model**

## **1.17 Traceability to other Standards**

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