

# Health & Care Information Model:

nl.zorg.PulseRate-v3.3

Status: Final

Release: 2023

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# Content

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

DCM::CoderList	Kerngroep Registratie aan de Bron
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::CreationDate	12-11-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.12.7
DCM::KeywordList	pols, polsfrequentie, polsslag, pulsus
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.Polsfrequentie
DCM::PublicationDate	15-10-2023
DCM::PublicationStatus	Prepublished
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	24-05-2019
DCM::Supersedes	nl.zorg.Polsfrequentie-v3.2
DCM::Version	3.3
HCIM::PublicationLanguage	EN

### 1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

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Publicatieversie 1.1 (01-07-2013)

Bevat: ZIB-45.

Publicatieversie 1.2 (01-04-2015)

Bevat: ZIB-79, ZIB-266, ZIB-308.

Incl. algemene wijzigingsverzoeken:

ZIB-94, ZIB-154, ZIB-200, ZIB-201, ZIB-309, ZIB-324, ZIB-326.

Publicatieversie 3.0 (01-05-2016)

Bevat: ZIB-453.

Publicatieversie 3.1 (04-09-2017)

Bevat: ZIB-431, ZIB-564.

Publicatieversie 3.2 (26-02-2019)

Bevat: ZIB-689.

Publicatieversie 3.3 (06-07-2019)

Bevat: ZIB-705.

## 1.2 Concept

The pulse rate is the number of palpations per minute measured at an artery.

## 1.3 Mindmap

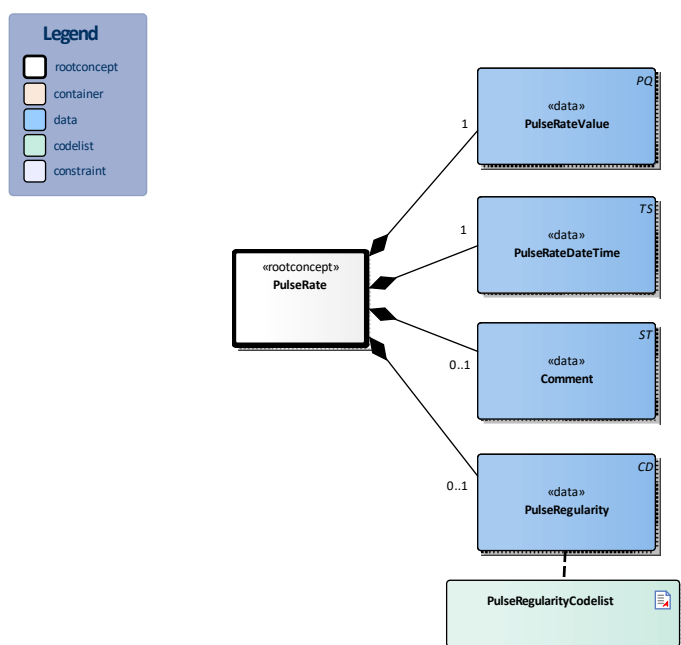
## 1.4 Purpose

Obtaining information on the circulation and heart function by measuring the number of beats per minute and the regularity in artery palpation.

## 1.5 Patient Population

## 1.6 Evidence Base

## 1.7 Information Model



«rootconcept»	PulseRate
<b>Definitie</b>	Root concept of the PulseRate information model. This root concept contains all data elements of the PulseRate information model.
<b>Datatype</b>	
<b>DCM::ConceptId</b>	NL-CM:12.7.1

<b>Opties</b>	
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<b>«data»</b>	<b>PulseRateValue</b>
<b>Definitie</b>	The element contains the value of the pulse rate measured. The pulse rate is expressed in the number of tangible pulsations of an artery per minute, usually the a. radialis, a. carotis or a. femoralis.
<b>Datatype</b>	PQ
<b>DCM::ConceptId</b>	NL-CM:12.7.2
<b>DCM::DefinitionCode</b>	LOINC: 8893-0 Heart rate Peripheral artery by Palpation
<b>DCM::ExampleValue</b>	76/min
<b>Opties</b>	

<b>«data»</b>	<b>PulseRateDateTime</b>
<b>Definitie</b>	Date and time of the pulse rate or pulse regularity measurement.
<b>Datatype</b>	TS
<b>DCM::ConceptId</b>	NL-CM:12.7.3
<b>Opties</b>	

<b>«data»</b>	<b>Comment</b>
<b>Definitie</b>	Comment on any problems or factors that may influence the measurement. Further explanation of pulse properties can be provided here as well: aequale/inaequale, pulsus alternans, pulsus paradoxus, pulse volume, etc.
<b>Datatype</b>	ST
<b>DCM::ConceptId</b>	NL-CM:12.7.4
<b>DCM::DefinitionCode</b>	LOINC: 48767-8 Annotation comment
<b>Opties</b>	

<b>«data»</b>	<b>PulseRegularity</b>
<b>Definitie</b>	Regular or irregular rhythm.
<b>Datatype</b>	CD
<b>DCM::ConceptId</b>	NL-CM:12.7.5
<b>DCM::DefinitionCode</b>	LOINC: 44969-4 Heart rate rhythm palpation
<b>DCM::ValueSet</b>	PulseRegularityCodelist OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.7.1
<b>Opties</b>	

<b>«document»</b>	<b>PulseRegularityCodelist</b>
<b>Definitie</b>	
<b>Datatype</b>	
<b>DCM::ValueSetBinding</b>	Required
<b>DCM::ValueSetId</b>	2.16.840.1.113883.2.4.3.11. 60.40.2.12.7.1
<b>HCIM::ValueSetLanguage</b>	--
<b>Opties</b>	

<b>PolsRegelmatigheidCodelijst</b>			<b>OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.7.1</b>	
Concept Name	Concept Code	Coding Syst. Name	Coding System OID	Description
Pulse regular	271636001	SNOMED CT	2.16.840.1.113883.6.96	Polsslag regelmatig

Pulse irregular	61086009	SNOMED CT	2.16.840.1.113883.6.96	Polsslag onregelmatig
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Legend	
Definitie	
Datatype	
Opties	

## 1.8 Example Instances

PolsFrequentie DatumTijd	PolsfrequentieWaarde	PolsRegelmatigheid	Toelichting
08-02-2013 6:43	50/min	Polsslag onregelmatig	Sportvrouw

## 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. openEHR-EHR-OBSERVATION.heart\_rate-pulse.v1[Online] Beschikbaar op: <http://www.openehr.org/knowledge/> [Geraadpleegd: 23 februari 2015].

### 1.16 Functional Model

### 1.17 Traceability to other Standards

This health and care information model is in accordance with the information model template Measurement v1.0.

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