

Health & Care Information Model:

nl.zorg.PulseRate-v3.3

Status: Final

Release: 2024

Release status: Prepublished

Managed by:



Content

1. nl.zorg.PulseRate-v3.3	3
1.1 Revision History.....	3
1.2 Concept	4
1.3 Mindmap	4
1.4 Purpose.....	4
1.5 Patient Population	4
1.6 Evidence Base	4
1.7 Information Model	4
1.8 Example Instances.....	6
1.9 Instructions.....	6
1.10 Interpretation	6
1.11 Care Process	6
1.12 Example of the Instrument	6
1.13 Constraints.....	6
1.14 Issues	6
1.15 References	6
1.16 Functional Model	6
1.17 Traceability to other Standards.....	6
1.18 Disclaimer	6
1.19 Terms of Use	7
1.20 Copyrights.....	7

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	15-04-2024
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)

-

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

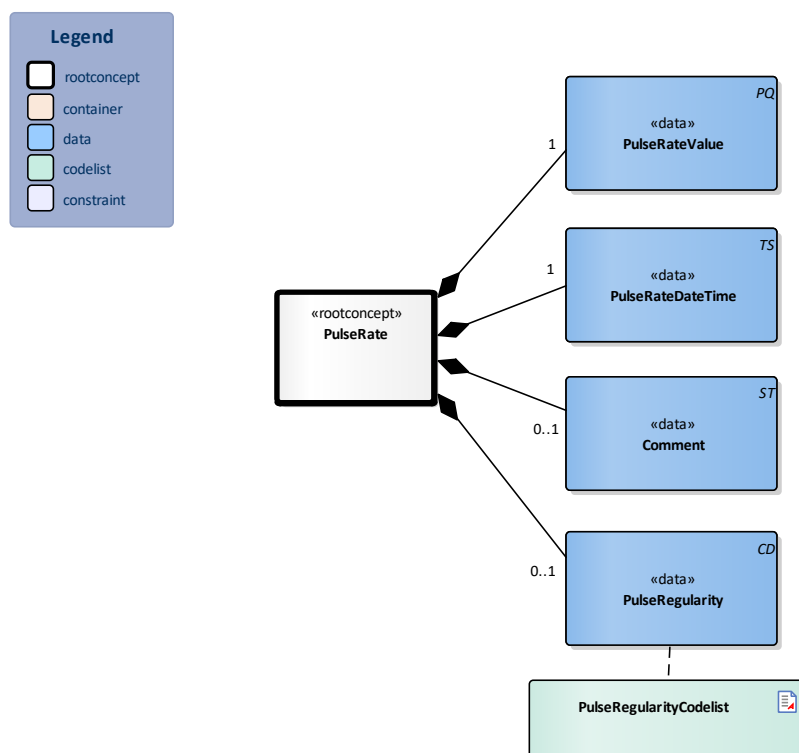
1.4 Purpose

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	
Definitie	Root concept of the PulseRate information model. This root concept contains all data elements of the PulseRate information model.	
Datatype		
DCM::ConceptId	NL-CM:12.7.1	
Opties		

«data»	PulseRateValue	
Definitie	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.	
Datatype	PQ	
DCM::ConceptId	NL-CM:12.7.2	

DCM::DefinitionCode	LOINC: 8893-0 Heart rate Peripheral artery by Palpation	
DCM::ExampleValue	76/min	
Opties		

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

«data»	Comment	
Definitie	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.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.7.4	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
Opties		

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

«document»	PulseRegularityCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Required	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.7.1	
HCIM::ValueSetLanguage	--	
Opties		

PolsRegelmatigheidCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.7.1	
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

	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.

1.18 Disclaimer

The Health and Care Information Models (a.k.a Clinical Building Block) has been made in collaboration with several different parties in healthcare. These parties asked Nictiz to manage good maintenance and development of the information models. Hereafter, these parties and Nictiz are referred to as the collaborating parties. The collaborating parties paid utmost attention to the reliability and topicality of the data in these Health and Care Information Models. Omissions and inaccuracies may however occur. The collaborating 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 provide by the parties to you or by you to the parties via a website or via e-mail, or any other digital means. The collaborating 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 the Health and Care Information

Models. The parties will not accept any liability for the content of information in this Health and Care Information Model to which or from which a hyperlink is referred. In the event of contradictions in mentioned Health and Care Information Model 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 a Health and Care Information Model is also distributed in writing, the written version will be leading in case 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 Health and Care Information Models without limitations. The copyright provisions in the paragraph concerned apply to copying, distributing and passing on the Health and Care Information Models.

1.20 Copyrights

A Health and Care Information Model qualifies as a work within the meaning of Section 10 of the Copyright Act (Auteurswet). Copyrights protect the Health and Care Information Models and these rights are owned by the cooperating parties.

The user may copy, distribute and pass on the information in this Health and Care Information Model 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 (see also <http://creativecommons.org/licenses/by-nc-sa/3.0/nl/>)

This does not apply to information from third parties that sometimes is used and / or referred to in a Health and Care Information Model, for example to an international medical terminology system. Any (copyright) rights that protect this information are not owned by the cooperating parties but by those third parties.

Nictiz is the independent national competence centre for electronic exchange of health and care information. The activities of Nictiz include the targeted development and management of information standards at the request of and in partnership with the stakeholders in healthcare. Nictiz advises these parties on all aspects of information exchange and identifies (future) national and international developments.

Nictiz

P.O. Box 19121
2500 CC Den Haag
Oude Middenweg 55
2491 AC Den Haag

070-3173450
info@nictiz.nl
www.nictiz.nl

