

Health & Care Information Model:

nl.zorg.O2Saturation-v3.1

Status: Final

Release: 2020

Release status: Published

Managed by:



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1. nl.zorg.O2Saturation-v3.1

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	29-11-2012
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	PM
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.12.10
DCM::KeywordList	zuurstofsaturatie, vitale parameters, saturatie
DCM::LifecycleStatus	Final
DCM::ModelerList	Kerngroep Registratie aan de Bron
DCM::Name	nl.zorg.O2Saturation
DCM::PublicationDate	01-09-2020
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	31-12-2017
DCM::Supersedes	nl.zorg.O2Saturation-v3.0
DCM::Version	3.1
HCIM::PublicationLanguage	EN

1.1 Revision History

Publicatieversie 1.0 (15-02-2013)

-

Publicatieversie 1.1 (01-07-2013)

-

Publicatieversie 1.2 (01-04-2015)

Bevat: 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

1.2 Concept

Arterial oxygen saturation, also referred to as saturation, is an indicator for the amount of oxygen bound to the hemoglobin in the red blood cells of the arteries. The measurement is usually carried out as a transcutaneous measurement with a blood oxygen monitor or pulse oximeter. The saturation level is expressed as a percentage and should be over 95% in healthy people.

1.3 Mindmap

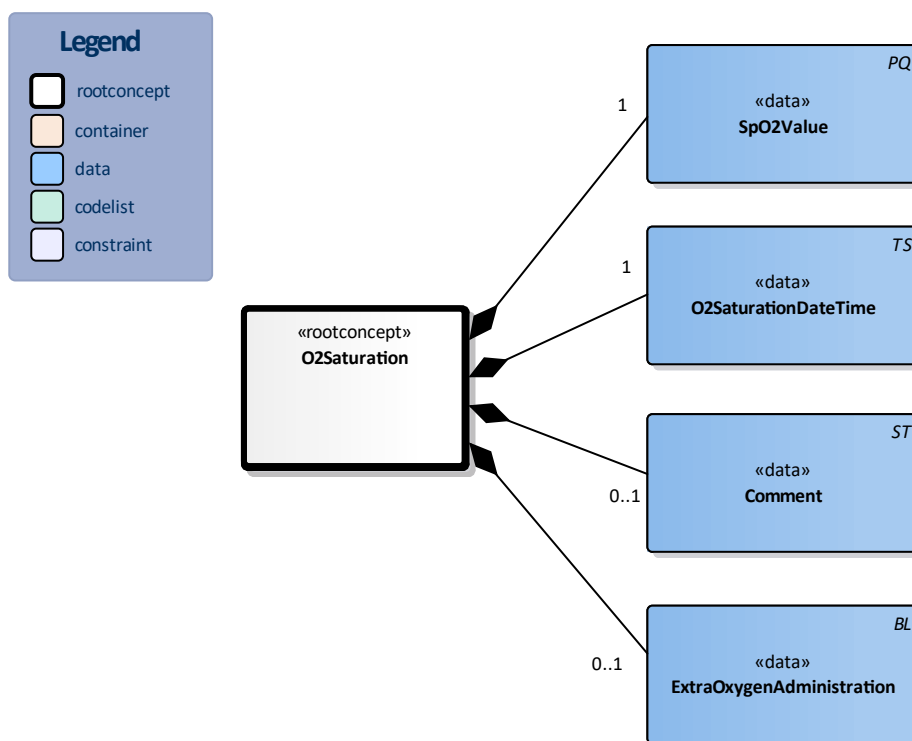
1.4 Purpose

Measuring and monitoring oxygen saturation is done to monitor the oxygenation, or the amount of bound oxygen in the arterial blood.

1.5 Patient Population

1.6 Evidence Base

1.7 Information Model



«rootconcept»	O2Saturation	
Definitie	Root concept of the O2Saturation information model. This root concept contains all data elements of the O2Saturation information model.	
Datatype		
DCM::ConceptId	NL-CM:12.10.1	
Opties		

«data»	SpO2Value	
Definitie	<p>The element contains the value of the indirect, peripheral measured O2 saturation.</p> <p>The O2 saturation gives a percentage expressing the extent to which the blood's hemoglobin is saturated with oxygen, the ratio of oxygen-saturated hemoglobin to hemoglobin.</p> <p>The measurement is done in places where sufficient light can get through</p>	

	the skin, such as a finger, toe or earlobe.	
Datatype	PQ	
DCM::ConceptId	NL-CM:12.10.2	
DCM::DefinitionCode	LOINC: 59408-5 Oxygen saturation in Arterial blood by Pulse oximetry	
DCM::ExampleValue	98 %	
Opties		

«data»	O2SaturationDateTime	
Definitie	The moment (date and time) of the SpO2 measurement.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.10.3	
Opties		

«data»	Comment	
Definitie	Comment on the saturation measurement.	
Datatype	ST	
DCM::ConceptId	NL-CM:12.10.4	
DCM::DefinitionCode	LOINC: 48767-8 Annotation comment	
DCM::ExampleValue	Saturatie afhankelijk van O2 via mondkap	
Opties		

«data»	ExtraOxygenAdministration	
Definitie	Indication stating whether the measurement was done in a situation in which extra oxygen was administered.	
Datatype	BL	
DCM::ConceptId	NL-CM:12.10.5	
Opties		

	Legend	
Definitie		
Datatype		
Opties		

1.8 Example Instances

O2SaturatieDatumTijd	SpO2Waarde	ExtraZuurstofToediening	Toelichting
08-02-2013 6:43	92%	Ja	Stijgt snel bij aanspreken

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.indirect_oximetry.v1[Online] Beschikbaar op: <http://www.openehr.org/knowledge/> [Geraadpleegd: 19 december 2014].

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

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