

Health&Care Information Model: nl.zorg.O2Saturatie

Final

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1. nl.zorg.O2Saturatie-v3.0

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.O2Saturatie
DCM::PublicationDate	1-5-2016
DCM::PublicationStatus	Published
DCM::ReviewerList	Projectgroep Generieke Overdrachtsgegevens & Kerngroep Registratie aan de Bron
DCM::RevisionDate	1-4-2015
DCM::Superseeds	nl.nfu.O2Saturatie-v1.2
DCM::Version	3.0

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

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

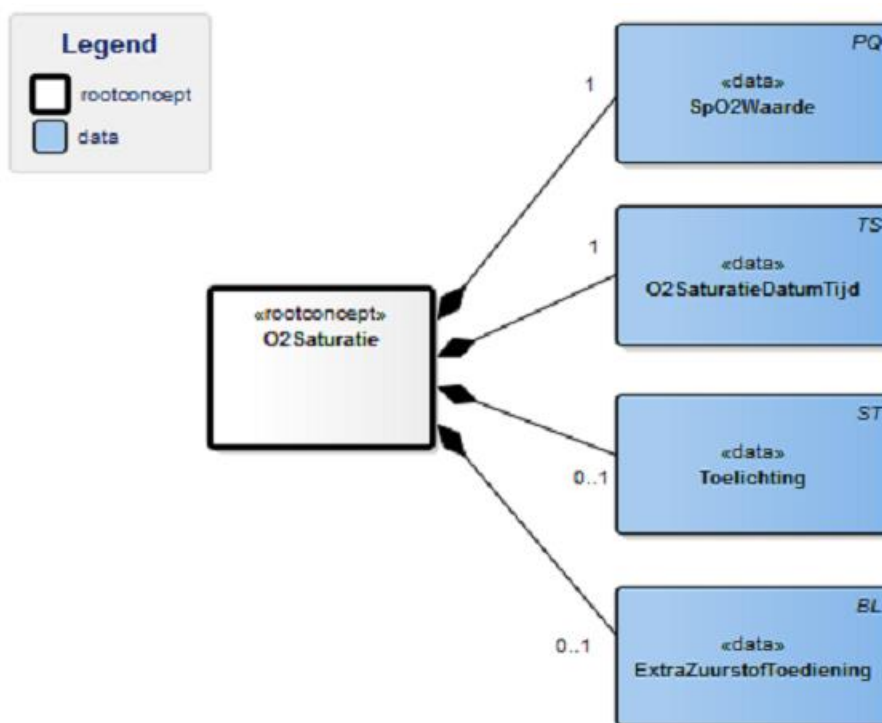
1.4 Purpose

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
Alias	EN: oxygenation, saturation, SpO2
Definition	Root concept of the O2Saturation information model. This root concept contains all data elements of the O2Saturation information model.
Datatype	
DCM::DefinitionCode	NL-CM:12.10.1
Options	

«data»	SpO2Waarde
Alias	EN: SpO2Value
Definition	The element contains the value of the indirect, peripheral measured O2 saturation. 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. The measurement is done in places where sufficient light can get through

	the skin, such as a finger, toe or earlobe.	
Datatype	PQ	
DCM::DefinitionCode	NL-CM:12.10.2	
DCM::DefinitionCode	SNOMED CT: 250554003 Measurement of oxygen saturation at periphery	
DCM::ExampleValue	98 %	
Options		

«data»	O2SaturatieDatumTijd	
Alias	EN: O2SaturationDateTime	
Definition	The moment (date and time) of the SpO2 measurement.	
Datatype	TS	
DCM::DefinitionCode	NL-CM:12.10.3	
Options		

«data»	Toelichting	
Alias	EN: Explanation	
Definition	Explanation of the saturation measurement.	
Datatype	ST	
DCM::DefinitionCode	NL-CM:12.10.4	
DCM::ExampleValue	Saturatie afhankelijk van O2 via mondkap	
Options		

«data»	ExtraZuurstofToediening	
Alias	EN: ExtraOxygenAdministration	
Definition	Indication stating whether the measurement was done in a situation in which extra oxygen was administered.	
Datatype	BL	
DCM::DefinitionCode	NL-CM:12.10.5	
Options		

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

1.18 Disclaimer

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