

Health & Care Information Model:

nl.zorg.VisualAcuity-v1.0

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1. nl.zorg.VisualAcuity-v1.0

DCM::CoderList	*
DCM::ContactInformation.Address	*
DCM::ContactInformation.Name	*
DCM::ContactInformation.Telecom	*
DCM::ContentAuthorList	*
DCM::CreationDate	15/06/2020
DCM::DeprecatedDate	
DCM::DescriptionLanguage	nl
DCM::EndorsingAuthority.Address	
DCM::EndorsingAuthority.Name	*
DCM::EndorsingAuthority.Telecom	
DCM::Id	2.16.840.1.113883.2.4.3.11.60.40.3.12.19
DCM::KeywordList	
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DCM::ModelerList	*
DCM::Name	nl.zorg.Visus
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DCM::PublicationStatus	Published
DCM::ReviewerList	
DCM::RevisionDate	
DCM::Supersedes	*
DCM::Version	1.0
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1.1 Revision History

Publicatieversie 1.0 (01-09-2020)

1.2 Concept

Visual acuity is a measurement of sharpness of vision. It is a measure of the smallest details that someone can still distinguish.

1.3 Mindmap

1.4 Purpose

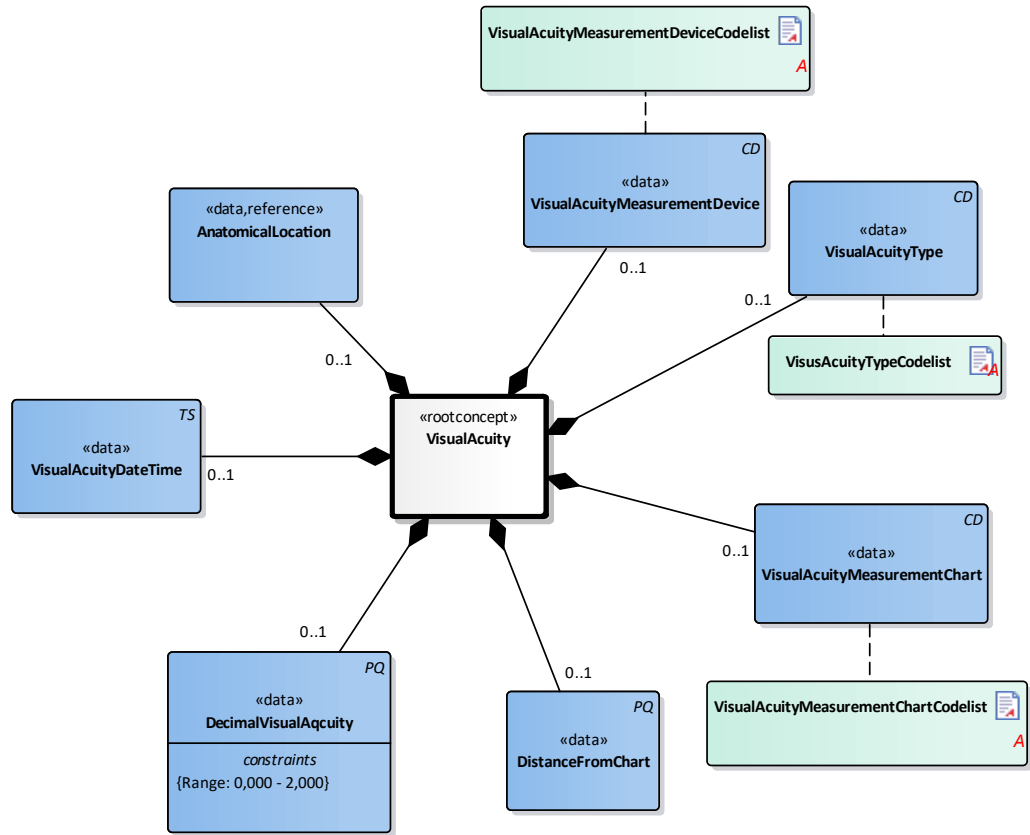
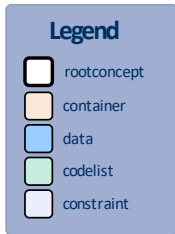
The aim is to determine the patient's visual functioning based on their visual acuity.

1.5 Patient Population

Adults and children from the age that they can interpret a picture chart.

1.6 Evidence Base

1.7 Information Model



«rootconcept»	VisualAcuity	
Definitie	Root concept of the VisualAcuity information model. This root concept contains all data elements of the VisualAcuity information model.	
Datatype		
DCM::ConceptId	NL-CM:12.19.1	
DCM::DefinitionCode	SNOMED CT: 16830007	Visual acuity testing
Opties		

«data»	VisualAcuityMeasurementDevice	
Definitie	The device used measuring the visual acuity.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.19.6	
DCM::DefinitionCode	SNOMED CT: 371548008	Procedure on eye region (denk niet de juiste code)
DCM::ExampleValue	with multiple pinholes	
DCM::ValueSet	VisualAcuityMeasurementDeviceCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.4
Opties		

«data»	VisualAcuityType	
Definitie	Type of visual acuity measurement.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.19.2	
DCM::DefinitionCode	SNOMED CT: 363983007	Visual acuity
DCM::ValueSet	VisualAcuityTypeCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.2
Opties		

«data»	VisualAcuityMeasurementChart	
Definitie	The type of chart used for the visual acuity measurement.	
Datatype	CD	
DCM::ConceptId	NL-CM:12.19.7	
DCM::DefinitionCode	SNOMED CT: 363691001 Procedure categorized by device involved	
DCM::ExampleValue	APK-TOV	
DCM::ValueSet	VisualAcuityMeasurementChartCodelist	OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.3
Opties		

«data»	DistanceFromChart	
Definitie	Distance to the chart in meters	
Datatype	PQ	
DCM::ConceptId	NL-CM:12.19.8	
DCM::ExampleValue	4 meter	
Opties		

«data»	DecimalVisualAcuity	
Definitie	The measured decimal visual acuity.	
Datatype	PQ	
DCM::ConceptId	NL-CM:12.19.11	
DCM::DefinitionCode	SNOMED CT: 363983007 Visual acuity	
DCM::ExampleValue	0.125	
Opties		
Constraint	Range: 0,000 - 2,000	

«data»	VisualAcuityDateTime	
Definitie	The date and time when the visual acuity was measured.	
Datatype	TS	
DCM::ConceptId	NL-CM:12.19.4	
DCM::DefinitionCode	SNOMED CT: 439771001 Date of event	
DCM::ExampleValue	02-03-2020	
Opties		

«data»	AnatomicalLocation	
Definitie	The laterality of the eye of which the visual acuity has been measured.	
Datatype		
DCM::ConceptId	NL-CM:12.19.5	
DCM::ExampleValue	Rechts	
DCM::ReferencedConceptId	NL-CM:20.7.1	This is a reference to the rootconcept of information model AnatomicalLocation.
Opties		

«document»	VisualAcuityMeasurementDeviceCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.19.4	
Opties		

VisusMeetHulpmiddelCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.4	
Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Pinhole visual acuity	419475002	SNOMED CT	2.16.840.1.113883.6.96	Met stenopeïsche opening
Other, specify	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders, specificeer

«document»	VisualAcuityMeasurementChartCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.19.3	
Opties		

VisusMetingKaartCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.3	
Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Logarithmic E chart	1	VisusMeetkaart	2.16.840.1.113883.2.4.3.11.60.40.4.27	logaritmische E-hakenkaart
Snellen chart	2	VisusMeetkaart	2.16.840.1.113883.2.4.3.11.60.40.4.27	Snellen Letterkaart
LEA Hayvarinen chart	3	VisusMeetkaart	2.16.840.1.113883.2.4.3.11.60.40.4.27	LEA symbolen kaart
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders

«document»	VisusAcuityTypeCodelist	
Definitie		
Datatype		
DCM::ValueSetBinding	Extensible	
DCM::ValueSetId	2.16.840.1.113883.2.4.3.11.60.40.2.12.19.2	
Opties		

VisusMetingTypeCodelijst			OID: 2.16.840.1.113883.2.4.3.11.60.40.2.12.19.2	
Concept Name	Concept Code	Coding System Name	Coding System OID	Description
Corrected visual acuity	397536007	SNOMED CT	2.16.840.1.113883.6.96	Gecorrigeerde visus (met eigen bril)
Uncorrected visual acuity	420050001	SNOMED CT	2.16.840.1.113883.6.96	Ongecorrigeerde visus
Best corrected visual acuity	419775003	SNOMED CT	2.16.840.1.113883.6.96	Best gecorrigeerde visus (met optimale bril)
Stereoscopic acuity	359750002	SNOMED CT	2.16.840.1.113883.6.96	Stereoscopische visus
Other	OTH	NullFlavor	2.16.840.1.113883.5.1008	Anders, specificeer

	Legend
Definitie	
Datatype	
Opties	

1.8 Example Instances

Visus						
DatumTijd	MetingType	Decimale Visus	Meting Kaart	Afstand tot kaart	Lateraliteit	Meethulpmiddel
08-02-2020	Best gecorrigeerde visus	0.8	Snellen Letterkaart	5 meter	Links	
08-02-2020	Gecorrigeerde visus	1.0	logaritmische E-hakenkaart	3 meter	Rechts	Met stenopeische opening

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

This health and care information model is based on the information model template Measurement- v1.0.

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