Schema documentation for mlhim2.xsd

july 31, 2012

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Namespace: "http://www.mlhim.org/xmls/mlhim2/2_3_0"

Schema(s)

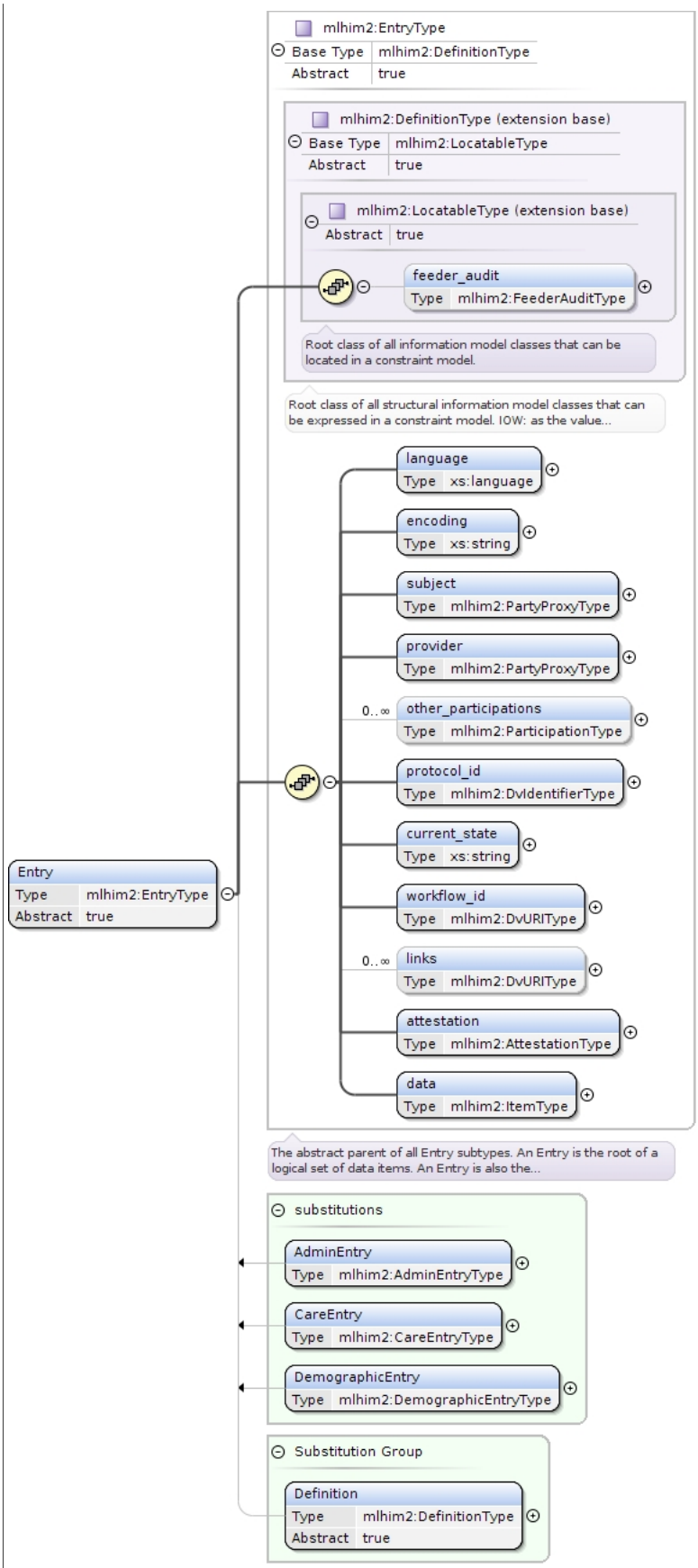
Main schema `mlhim2.xsd`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0	
Properties	attribute form default:	`qualified`
	element form default:	`qualified`
	version:	`2.3.0`

Element(s)

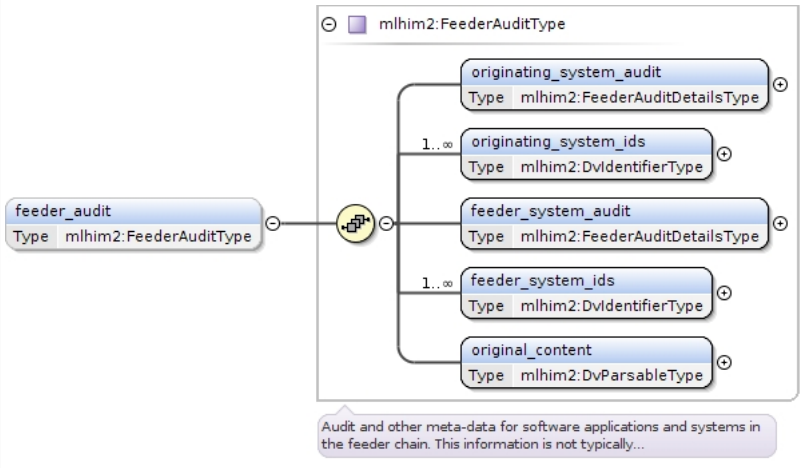
Element `mlhim2:Entry`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:EntryType
Type hierarchy	• mlhim2:LocatableType

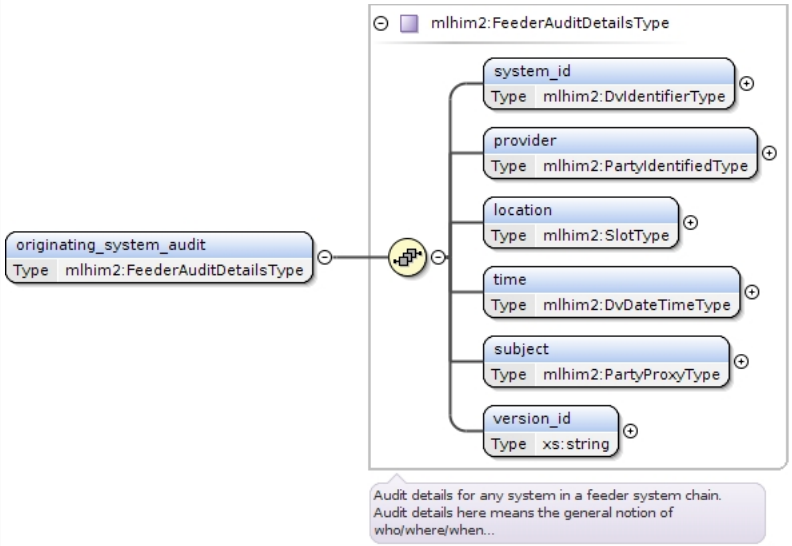
	• mlhim2:DefinitionType • mlhim2:EntryType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:CareEntry • mlhim2:AdminEntry • mlhim2:DemographicEntry
Substitution Group Affiliation	• mlhim2:Definition
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Instance	<mlhim2:Entry xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:language>{1,1}</mlhim2:language> <mlhim2:encoding>{1,1}</mlhim2:encoding> <mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:other_participations>{0,unbounded}</mlhim2:other_participations> <mlhim2:protocol_id>{1,1}</mlhim2:protocol_id> <mlhim2:current_state>{1,1}</mlhim2:current_state> <mlhim2:workflow_id>{1,1}</mlhim2:workflow_id> <mlhim2:links>{0,unbounded}</mlhim2:links> <mlhim2:attestation>{1,1}</mlhim2:attestation> <mlhim2:data>{1,1}</mlhim2:data> </mlhim2:Entry>
Source	<xs:element name="Entry" abstract="true" substitutionGroup="mlhim2:Definition" type="mlhim2:EntryType"/>

Element `mlhim2:LocatableType / mlhim2:feeder_audit`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:FeederAuditType
Properties	content: complex minOccurs: 0
Model	mlhim2:originating_system_audit , mlhim2:originating_system_ids+ , mlhim2:feeder_system_audit , mlhim2:feeder_system_ids+ , mlhim2:original_content
Children	mlhim2:feeder_system_audit, mlhim2:feeder_system_ids, mlhim2:original_content, mlhim2:originating_system_audit, mlhim2:originating_system_ids
Instance	<mlhim2:feeder_audit xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:originating_system_audit>{1,1}</mlhim2:originating_system_audit> <mlhim2:originating_system_ids>{1,unbounded}</mlhim2:originating_system_ids>

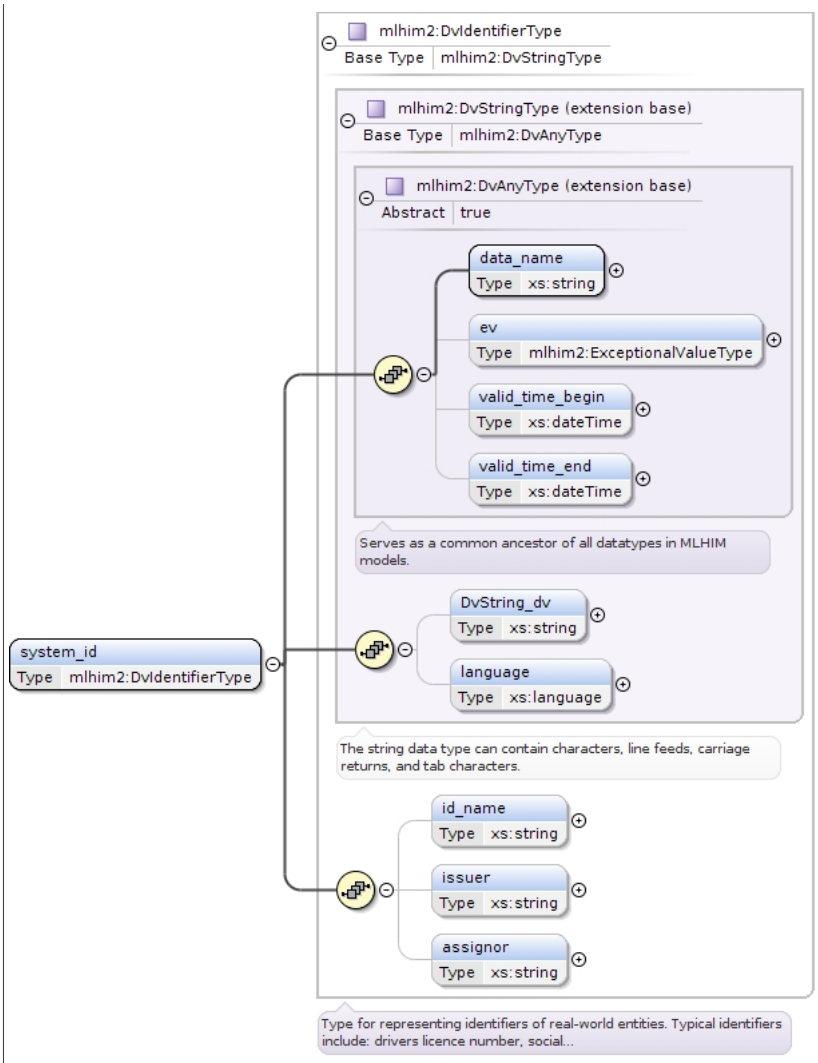
	<mlhim2:feeder_system_audit>{1,1}</mlhim2:feeder_system_audit> <mlhim2:feeder_system_ids>{1,unbounded}</mlhim2:feeder_system_ids> <mlhim2:original_content>{1,1}</mlhim2:original_content> </mlhim2:feeder_audit>
Source	<xs:element minOccurs="0" name="feeder_audit" type="mlhim2:FeederAuditType"/>

Element mlhim2:FeederAuditType / mlhim2:originating_system_audit

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:FeederAuditDetailsType
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:system_id , mlhim2:provider , mlhim2:location , mlhim2:time , mlhim2:subject , mlhim2:version_id
Children	mlhim2:location, mlhim2:provider, mlhim2:subject, mlhim2:system_id, mlhim2:time, mlhim2:version_id
Instance	<mlhim2:originating_system_audit xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:system_id>{1,1}</mlhim2:system_id> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:location>{1,1}</mlhim2:location> <mlhim2:time>{1,1}</mlhim2:time> <mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:version_id>{1,1}</mlhim2:version_id> </mlhim2:originating_system_audit>
Source	<xs:element maxOccurs="1" minOccurs="1" name="originating_system_audit" type="mlhim2:FeederAuditDetailsType"/>

Element mlhim2:FeederAuditDetailsType / mlhim2:system_id

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

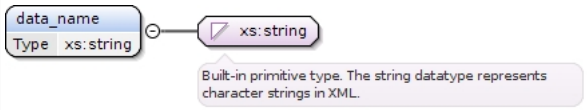
Diagram	
Type	mlhim2:DvIdentifierType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvIdentifierType

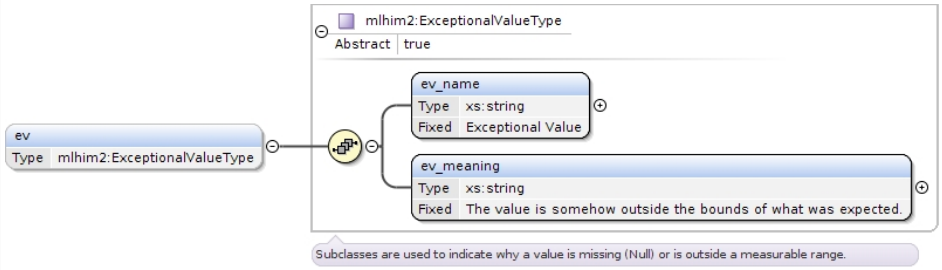
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:system_id xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv> <mlhim2:language>{0,1}</mlhim2:language> <mlhim2:id_name>{0,1}</mlhim2:id_name> <mlhim2:issuer>{0,1}</mlhim2:issuer> <mlhim2:assignor>{0,1}</mlhim2:assignor> </mlhim2:system_id>
Source	<xs:element name="system_id" type="mlhim2:DvIdentifierType"/>

Element `mlhim2:DvAnyType / mlhim2:data_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	`<xs:element name="data_name" type="xs:string" maxOccurs="1" minOccurs="1"/>`

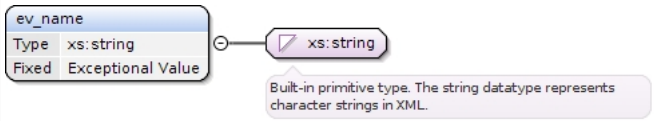
Element mlhim2:DvAnyType / mlhim2:ev

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ExceptionalValueType
Properties	content: complex minOccurs: 0 maxOccurs: 1 nillable: true
Model	mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

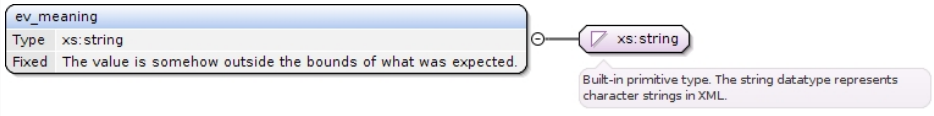
Instance	`<mlhim2:ev xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:ev>`

Source	`<xs:element maxOccurs="1" minOccurs="0" name="ev" nillable="true"` `  type="mlhim2:ExceptionalValueType"/>`

Element mlhim2:ExceptionalValueType / mlhim2:ev_name

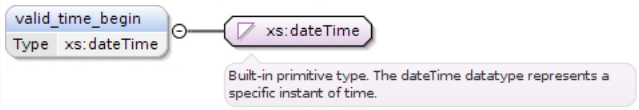
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Exceptional Value
Source	`<xs:element fixed="Exceptional Value" name="ev_name" type="xs:string"/>`

Element mlhim2:ExceptionalValueType / mlhim2:ev_meaning

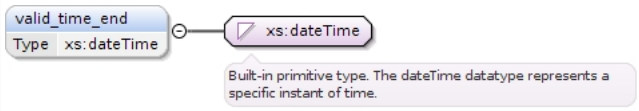
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

Type	xs:string
Properties	content: simple fixed: The value is somehow outside the bounds of what was expected.
Source	`<xs:element fixed="The value is somehow outside the bounds of what was expected." name="ev_meaning" type="xs:string"/>`

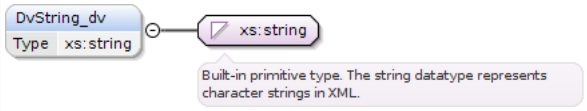
Element mlhim2:DvAnyType / mlhim2:valid_time_begin

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:dateTime
Properties	content: simple minOccurs: 0 maxOccurs: 1 nillable: true
Source	`<xs:element maxOccurs="1" minOccurs="0" name="valid_time_begin" nillable="true" type="xs:dateTime"/>`

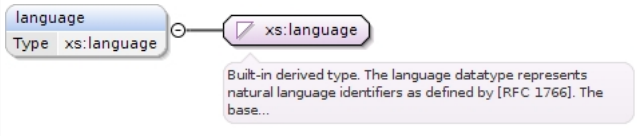
Element mlhim2:DvAnyType / mlhim2:valid_time_end

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:dateTime
Properties	content: simple minOccurs: 0 maxOccurs: 1 nillable: true
Source	`<xs:element maxOccurs="1" minOccurs="0" name="valid_time_end" nillable="true" type="xs:dateTime"/>`

Element mlhim2:DvStringType / mlhim2:DvString_dv

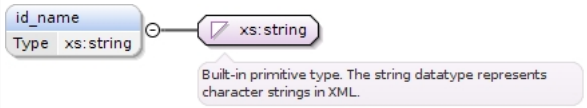
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	`<xs:element minOccurs="0" name="DvString_dv" type="xs:string"/>`

Element mlhim2:DvStringType / mlhim2:language

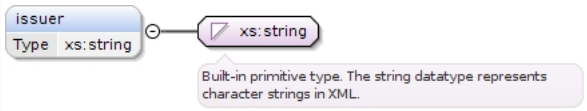
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

Type	xs:language
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="language" type="xs:language"/>`

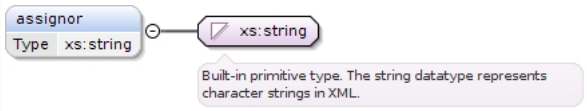
Element mlhim2:DvIdentifierType / mlhim2:id_name

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="id_name" type="xs:string"/>`

Element mlhim2:DvIdentifierType / mlhim2:issuer

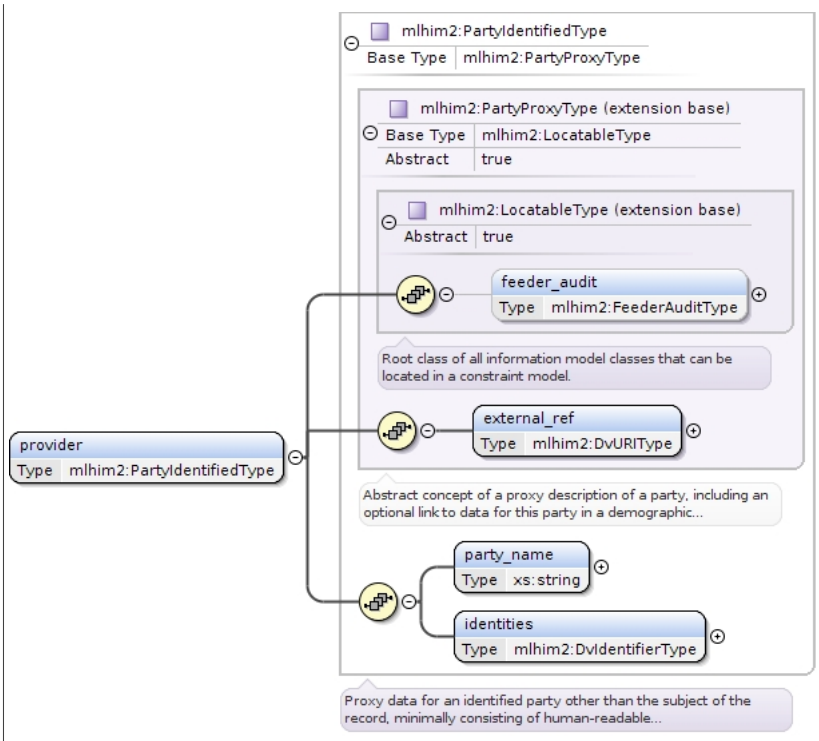
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="issuer" type="xs:string"/>`

Element mlhim2:DvIdentifierType / mlhim2:assignor

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="assignor" type="xs:string"/>`

Element mlhim2:FeederAuditDetailsType / mlhim2:provider

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:PartyIdentifiedType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:PartyProxyType
	  • mlhim2:PartyIdentifiedType

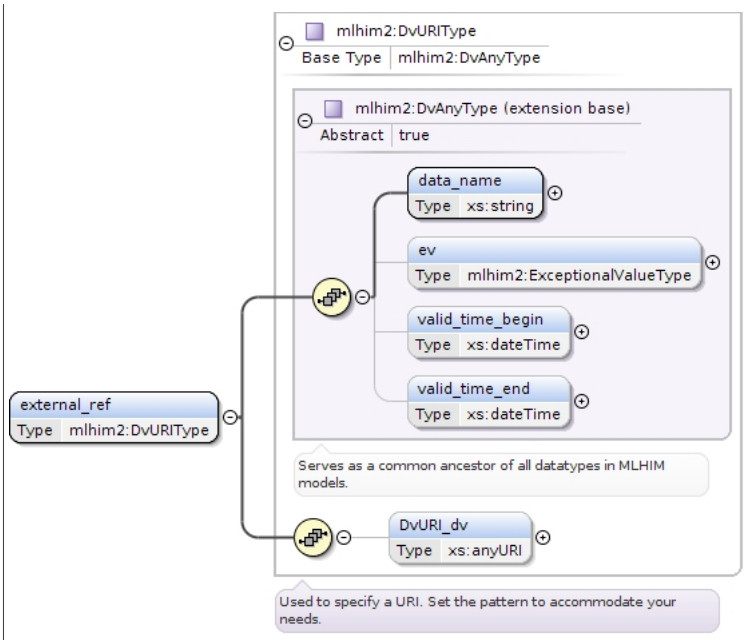
Properties	content: `complex`
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref , mlhim2:party_name , mlhim2:identities
Children	mlhim2:external_ref, mlhim2:feeder_audit, mlhim2:identities, mlhim2:party_name

Instance	`<mlhim2:provider xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`  <mlhim2:party_name>{1,1}</mlhim2:party_name>`
	`  <mlhim2:identities>{1,1}</mlhim2:identities>`
	`</mlhim2:provider>`

Source	`<xs:element name="provider" type="mlhim2:PartyIdentifiedType"/>`

Element `mlhim2:PartyProxyType / mlhim2:external_ref`

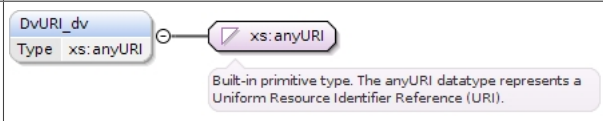
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvURIType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvURIType
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvURI_dv{0,1}
Children	mlhim2:DvURI_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

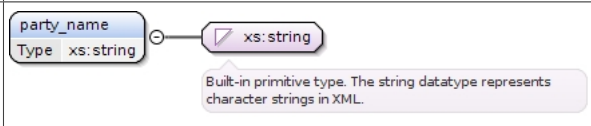
Instance	`<mlhim2:external_ref xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvURI_dv>{0,1}</mlhim2:DvURI_dv>`
	`</mlhim2:external_ref>`

Source	`<xs:element name="external_ref" type="mlhim2:DvURIType"/>`

Element `mlhim2:DvURIType / mlhim2:DvURI_dv`

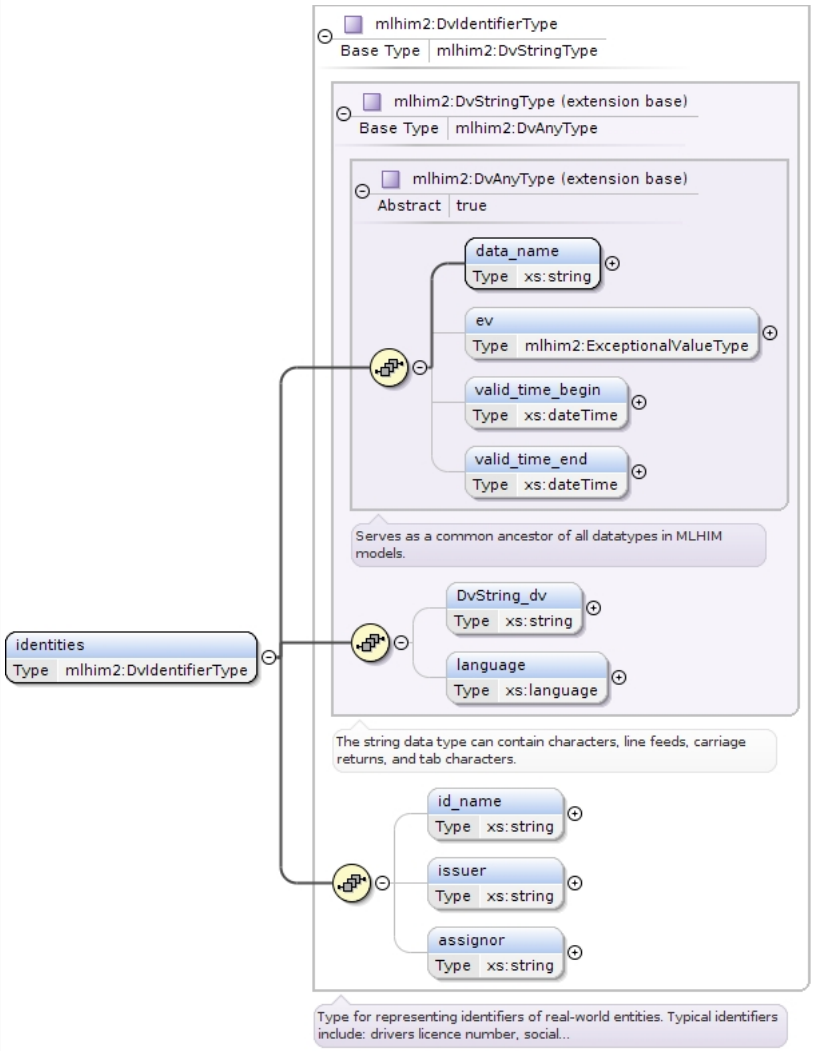
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:anyURI
Properties	content: simple minOccurs: 0
Source	`<xs:element minOccurs="0" name="DvURI_dv" type="xs:anyURI"/>`

Element `mlhim2:PartyIdentifiedType / mlhim2:party_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple

Source	`<xs:element name="party_name" type="xs:string"/>`

Element `mlhim2:PartyIdentifiedType / mlhim2:identities`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvIdentifierType

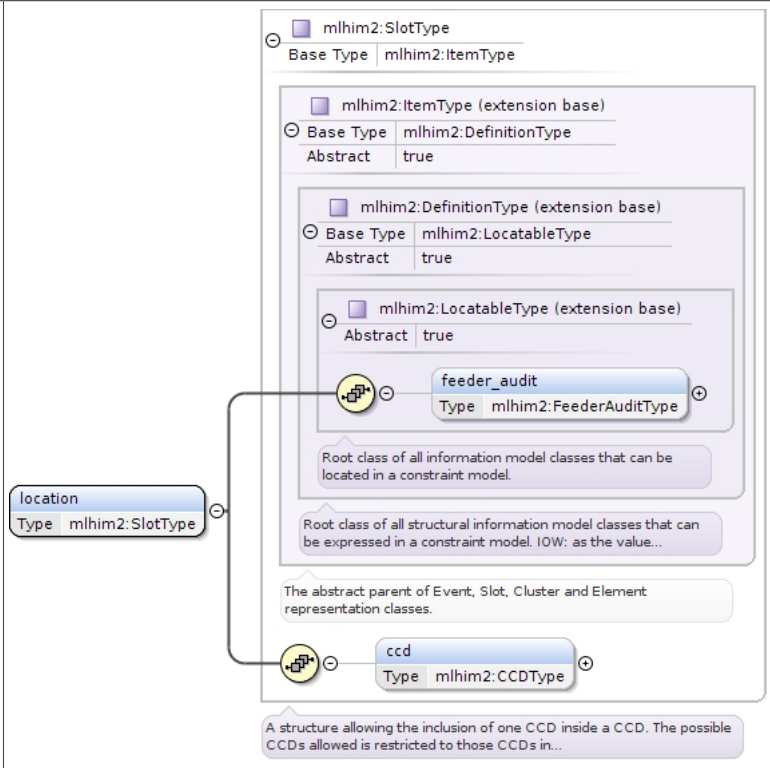
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvIdentifierType

Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:identities xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:id_name>{0,1}</mlhim2:id_name>`
	`  <mlhim2:issuer>{0,1}</mlhim2:issuer>`
	`  <mlhim2:assignor>{0,1}</mlhim2:assignor>`
	`</mlhim2:identities>`

Source	`<xs:element name="identities" type="mlhim2:DvIdentifierType"/>`

Element `mlhim2:FeederAuditDetailsType / mlhim2:location`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:SlotType

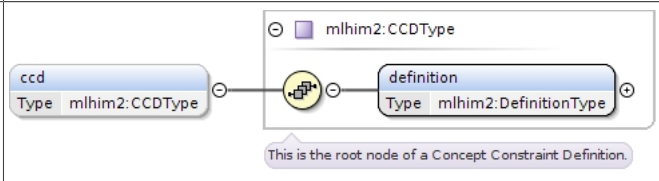
Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType
	  • mlhim2:SlotType

Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:ccd{0,1}
Children	mlhim2:ccd, mlhim2:feeder_audit

Instance	`<mlhim2:location xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:ccd>{0,1}</mlhim2:ccd>`
	`</mlhim2:location>`

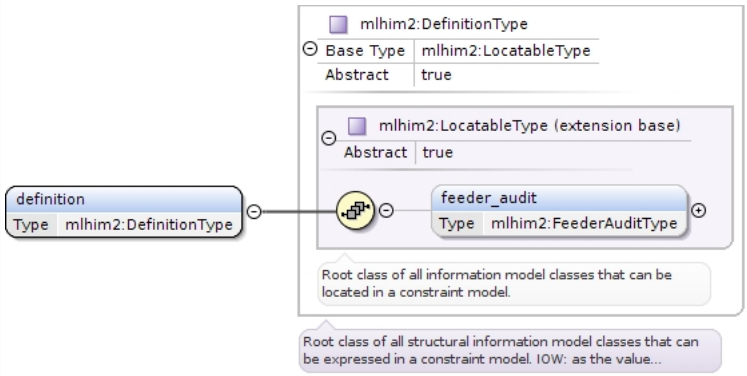
Source	`<xs:element name="location" type="mlhim2:SlotType"/>`

Element `mlhim2:SlotType / mlhim2:ccd`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:CCDType
Properties	content: complex minOccurs: 0 maxOccurs: 1
Model	mlhim2:definition

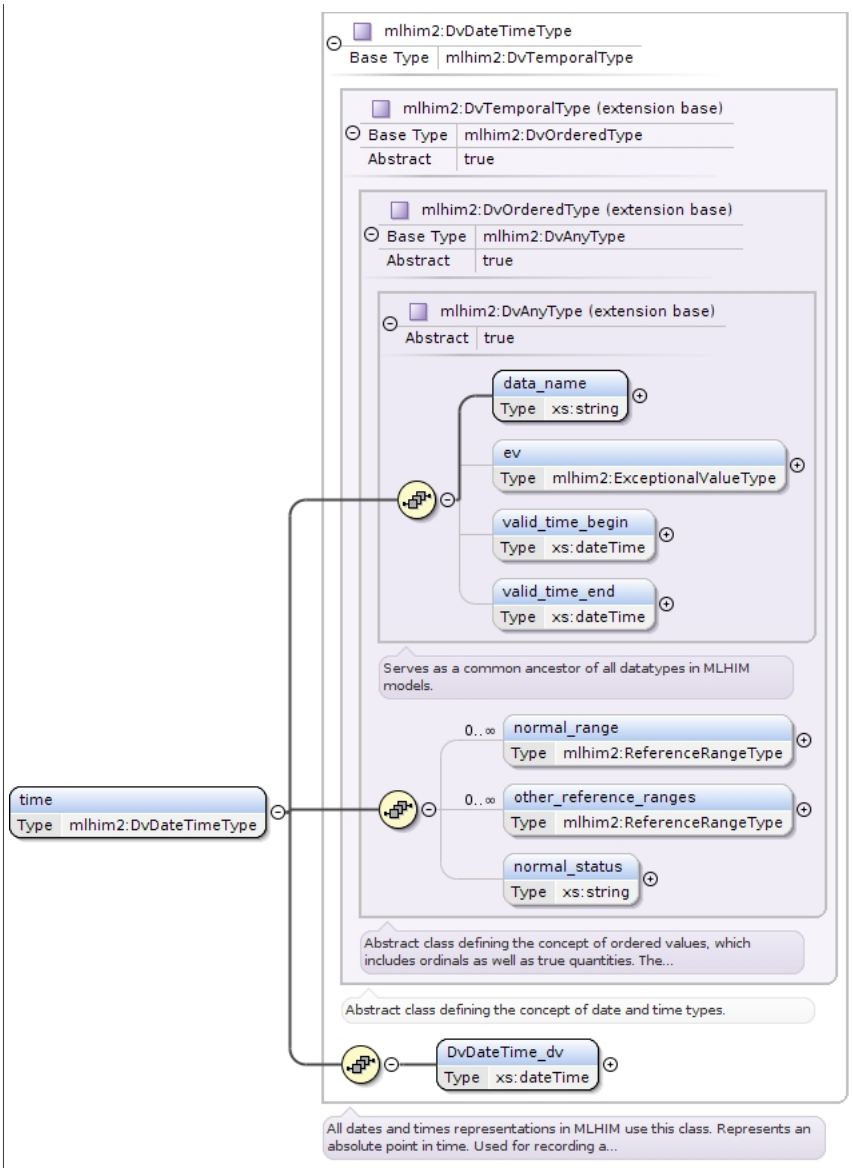
Children	mlhim2:definition
Instance	<mlhim2:ccd xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:definition>{1,1}</mlhim2:definition> </mlhim2:ccd>
Source	<xs:element maxOccurs="1" minOccurs="0" name="ccd" type="mlhim2:CCDType"/>

Element mlhim2:CCDType / mlhim2:definition

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DefinitionType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<mlhim2:definition xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:definition>
Source	<xs:element name="definition" type="mlhim2:DefinitionType"/>

Element mlhim2:FeederAuditDetailsType / mlhim2:time

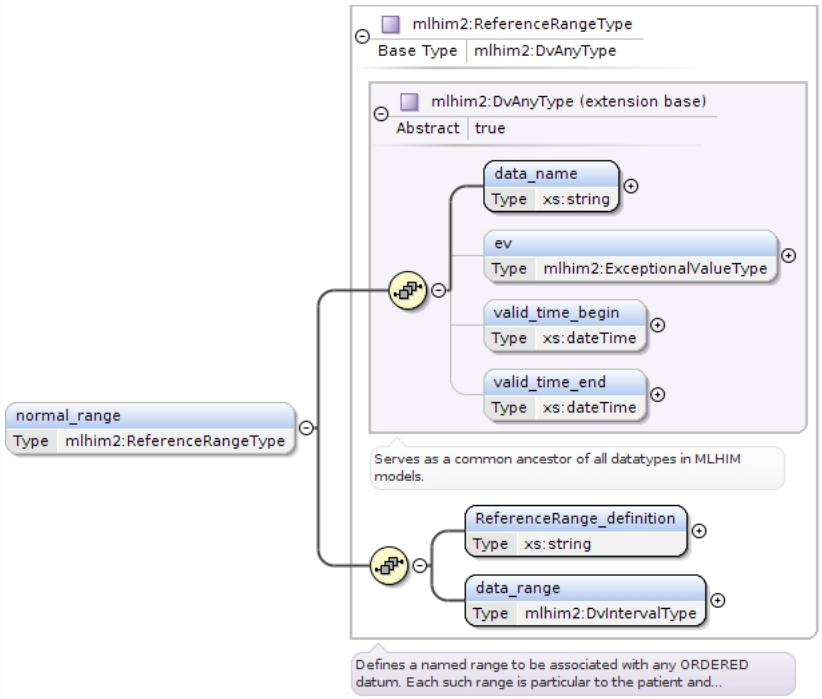
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvDateTimeType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDateTimeType

Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:time xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv> </mlhim2:time>
Source	<xs:element name="time" type="mlhim2:DvDateTimeType"/>

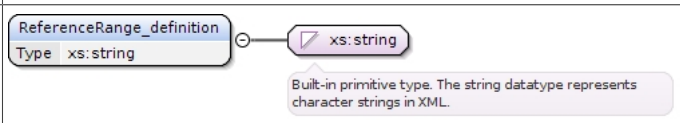
Element `mlhim2:DvOrderedType / mlhim2:normal_range`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ReferenceRangeType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:ReferenceRangeType
Properties	content: `complex` minOccurs: `0` maxOccurs: `unbounded`
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:ReferenceRange_definition , mlhim2:data_range
Children	mlhim2:ReferenceRange_definition, mlhim2:data_name, mlhim2:data_range, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

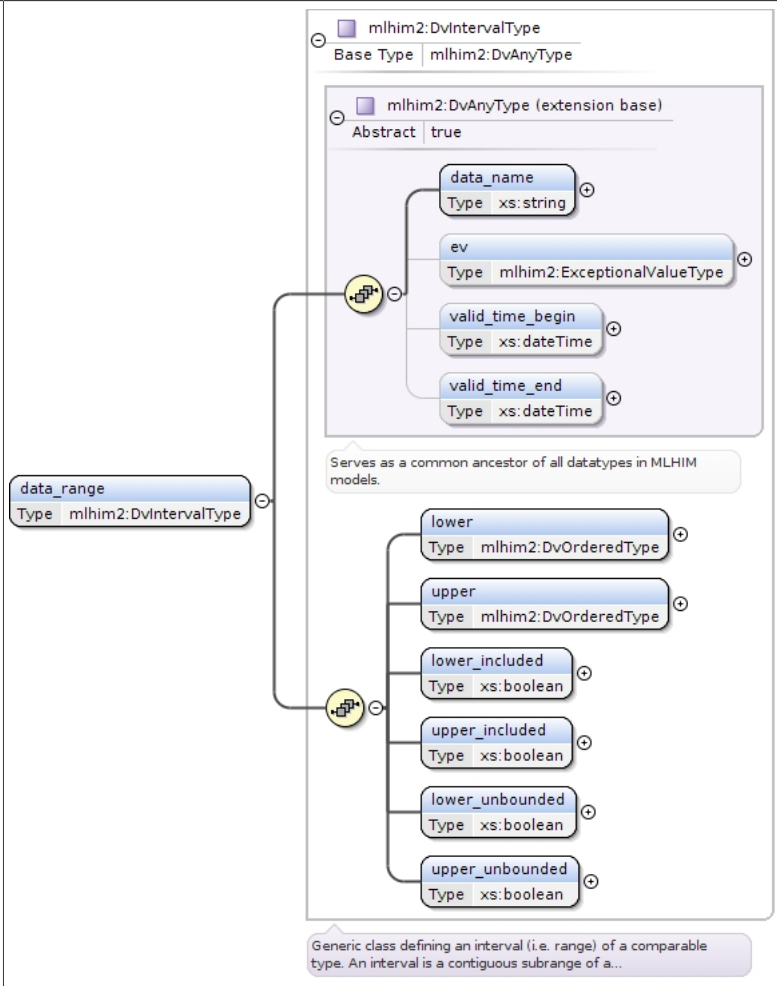
Instance	`<mlhim2:normal_range xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:ReferenceRange_definition>{1,1}</mlhim2:ReferenceRange_definition>`
	`  <mlhim2:data_range>{1,1}</mlhim2:data_range>`
	`</mlhim2:normal_range>`

Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="normal_range"` `  type="mlhim2:ReferenceRangeType"/>`

Element `mlhim2:ReferenceRangeType / mlhim2:ReferenceRange_definition`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple`
Source	`<xs:element name="ReferenceRange_definition" type="xs:string"/>`

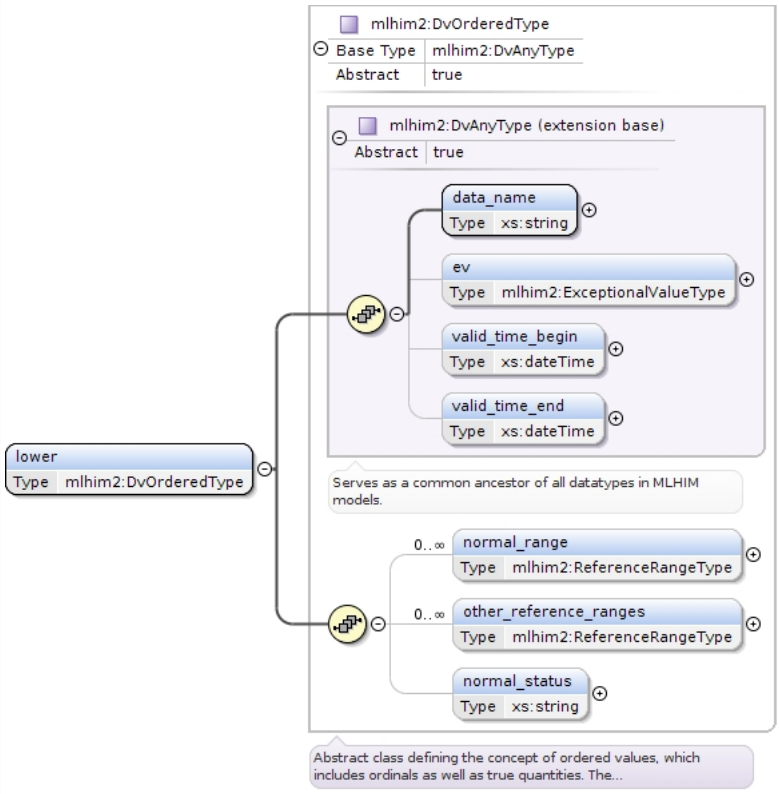
Element `mlhim2:ReferenceRangeType / mlhim2:data_range`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvIntervalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvIntervalType
Properties	content: `complex` minOccurs: `1` maxOccurs: `1`
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:lower , mlhim2:upper , mlhim2:lower_included , mlhim2:upper_included , mlhim2:lower_unbounded , mlhim2:upper_unbounded
Children	mlhim2:data_name, mlhim2:ev, mlhim2:lower, mlhim2:lower_included, mlhim2:lower_unbounded, mlhim2:upper, mlhim2:upper_included, mlhim2:upper_unbounded, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:data_range xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:lower>{1,1}</mlhim2:lower>`
	`  <mlhim2:upper>{1,1}</mlhim2:upper>`
	`  <mlhim2:lower_included>{1,1}</mlhim2:lower_included>`
	`  <mlhim2:upper_included>{1,1}</mlhim2:upper_included>`
	`  <mlhim2:lower_unbounded>{1,1}</mlhim2:lower_unbounded>`
	`  <mlhim2:upper_unbounded>{1,1}</mlhim2:upper_unbounded>`
	`</mlhim2:data_range>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="data_range" type="mlhim2:DvIntervalType"/>`

Element `mlhim2:DvIntervalType / mlhim2:lower`

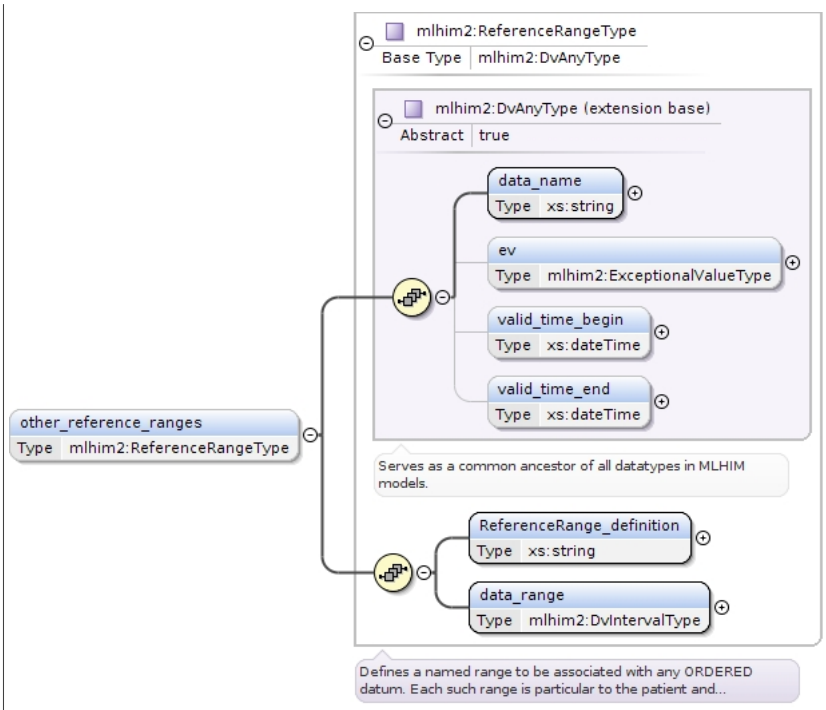
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvOrderedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:lower xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>`
	`  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>`
	`  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>`
	`</mlhim2:lower>`

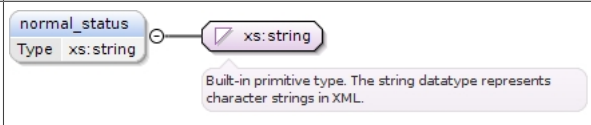
Source	`<xs:element name="lower" type="mlhim2:DvOrderedType"/>`

Element `mlhim2:DvOrderedType / mlhim2:other_reference_ranges`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

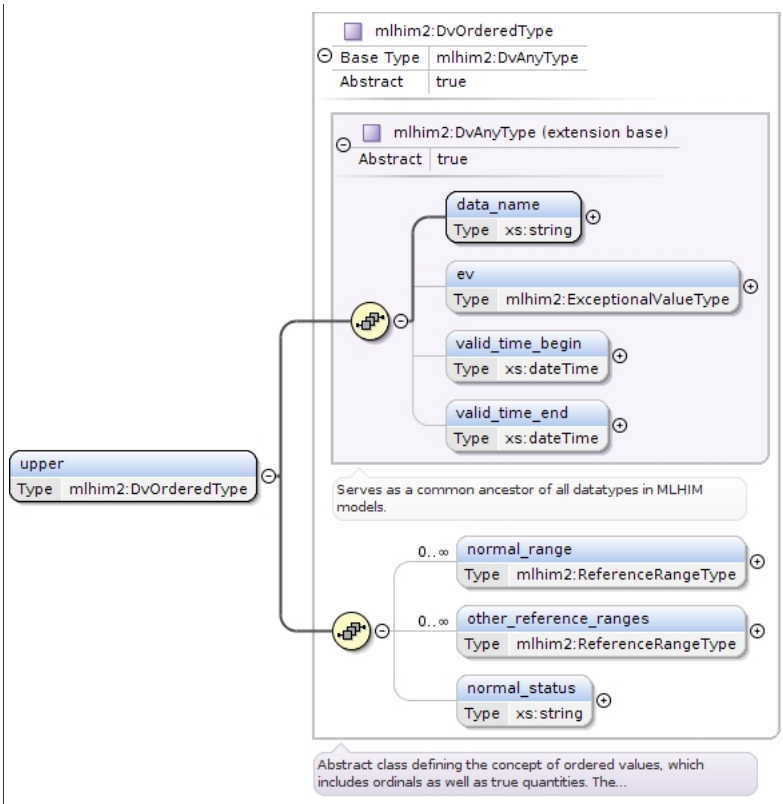
Diagram	
Type	mlhim2:ReferenceRangeType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:ReferenceRangeType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:ReferenceRange_definition , mlhim2:data_range
Children	mlhim2:ReferenceRange_definition, mlhim2:data_name, mlhim2:data_range, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:other_reference_ranges xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:ReferenceRange_definition>{1,1}</mlhim2:ReferenceRange_definition> <mlhim2:data_range>{1,1}</mlhim2:data_range> </mlhim2:other_reference_ranges>
Source	<xs:element maxOccurs="unbounded" minOccurs="0" name="other_reference_ranges" type="mlhim2:ReferenceRangeType"/>

Element mlhim2:DvOrderedType / mlhim2:normal_status

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="normal_status" type="xs:string"/>

Element mlhim2:DvIntervalType / mlhim2:upper

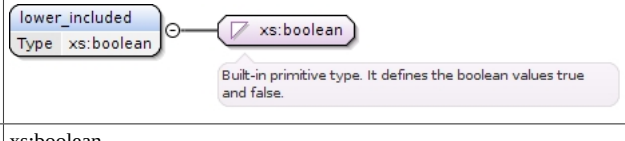
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvOrderedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:upper xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>`
	`  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>`
	`  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>`
	`</mlhim2:upper>`

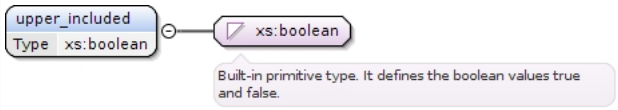
Source	`<xs:element name="upper" type="mlhim2:DvOrderedType"/>`

Element mlhim2:DvIntervalType / mlhim2:lower_included

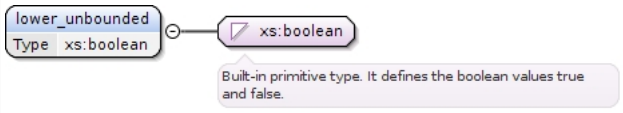
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:boolean
Properties	content: simple
Source	`<xs:element name="lower_included" type="xs:boolean"/>`

Element mlhim2:DvIntervalType / mlhim2:upper_included

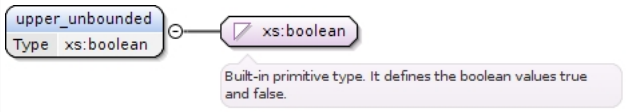
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:boolean
Properties	content: simple
Source	`<xs:element name="upper_included" type="xs:boolean"/>`

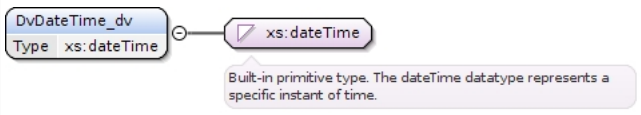
Element mlhim2:DvIntervalType / mlhim2:lower_unbounded

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:boolean
Properties	content: simple
Source	`<xs:element name="lower_unbounded" type="xs:boolean"/>`

Element mlhim2:DvIntervalType / mlhim2:upper_unbounded

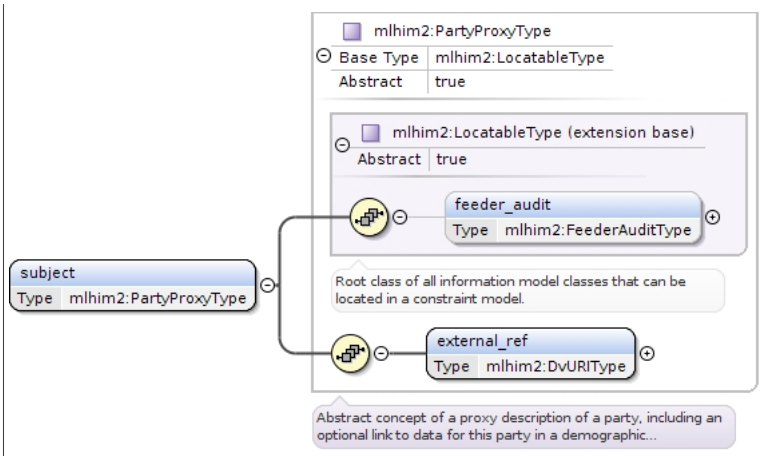
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:boolean
Properties	content: simple
Source	`<xs:element name="upper_unbounded" type="xs:boolean"/>`

Element mlhim2:DvDateTimeType / mlhim2:DvDateTime_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:dateTime
Properties	content: simple
Source	`<xs:element name="DvDateTime_dv" type="xs:dateTime"/>`

Element mlhim2:FeederAuditDetailsType / mlhim2:subject

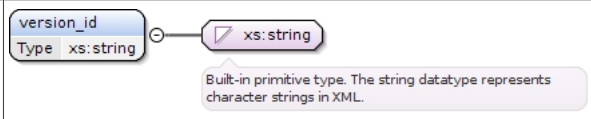
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:subject xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:subject>`

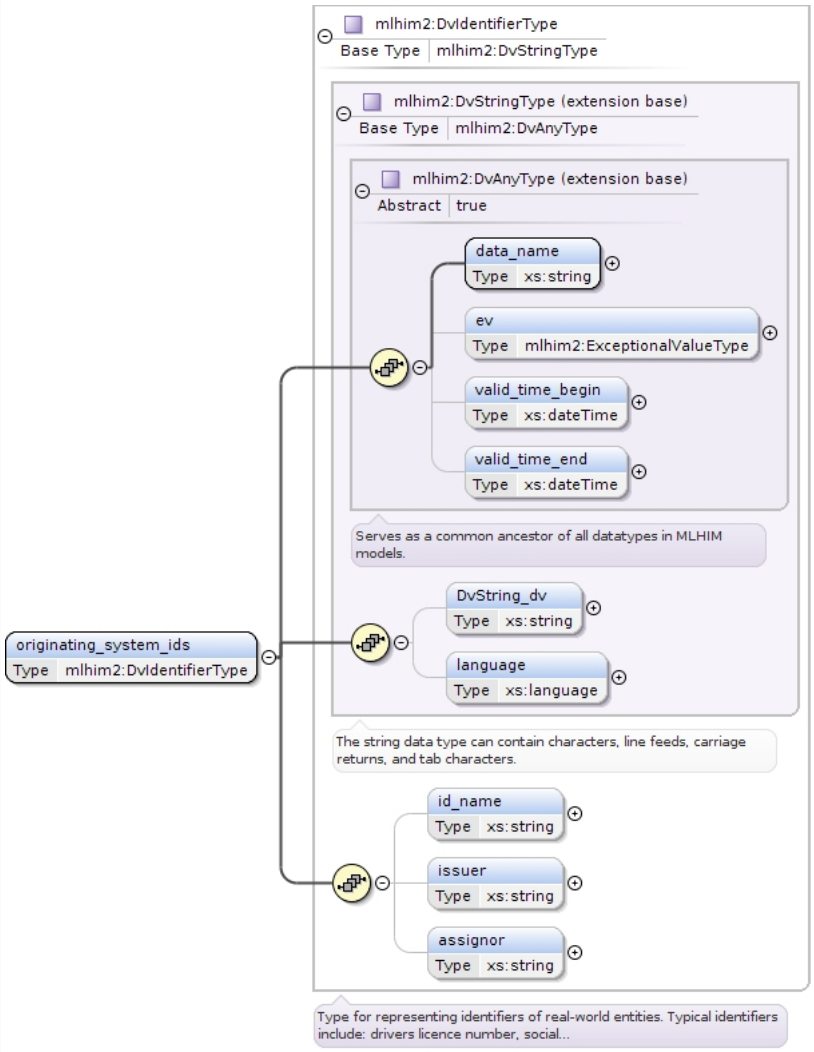
Source	`<xs:element name="subject" type="mlhim2:PartyProxyType"/>`

Element mlhim2:FeederAuditDetailsType / mlhim2:version_id

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple
Source	`<xs:element name="version_id" type="xs:string"/>`

Element mlhim2:FeederAuditType / mlhim2:originating_system_ids

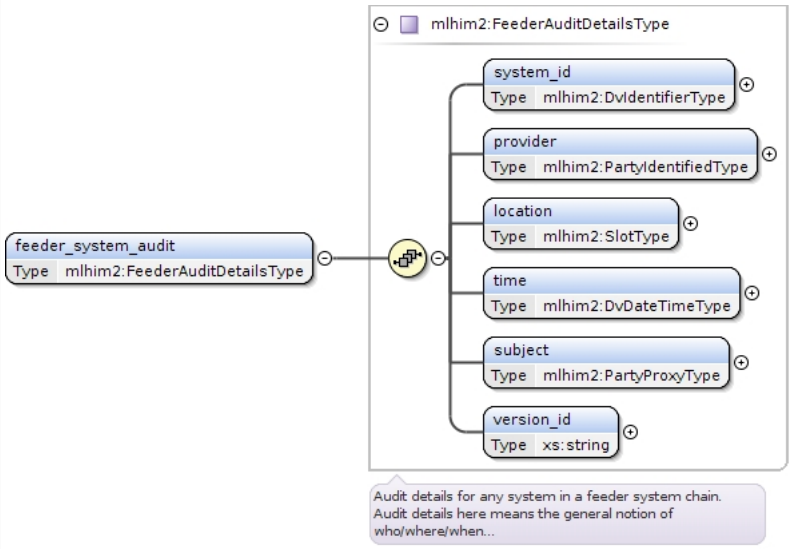
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvIdentifierType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvIdentifierType

Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:originating_system_ids xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv> <mlhim2:language>{0,1}</mlhim2:language> <mlhim2:id_name>{0,1}</mlhim2:id_name> <mlhim2:issuer>{0,1}</mlhim2:issuer> <mlhim2:assignor>{0,1}</mlhim2:assignor> </mlhim2:originating_system_ids>
Source	<xs:element maxOccurs="unbounded" minOccurs="1" name="originating_system_ids" type="mlhim2:DvIdentifierType"/>

Element `mlhim2:FeederAuditType / mlhim2:feeder_system_audit`

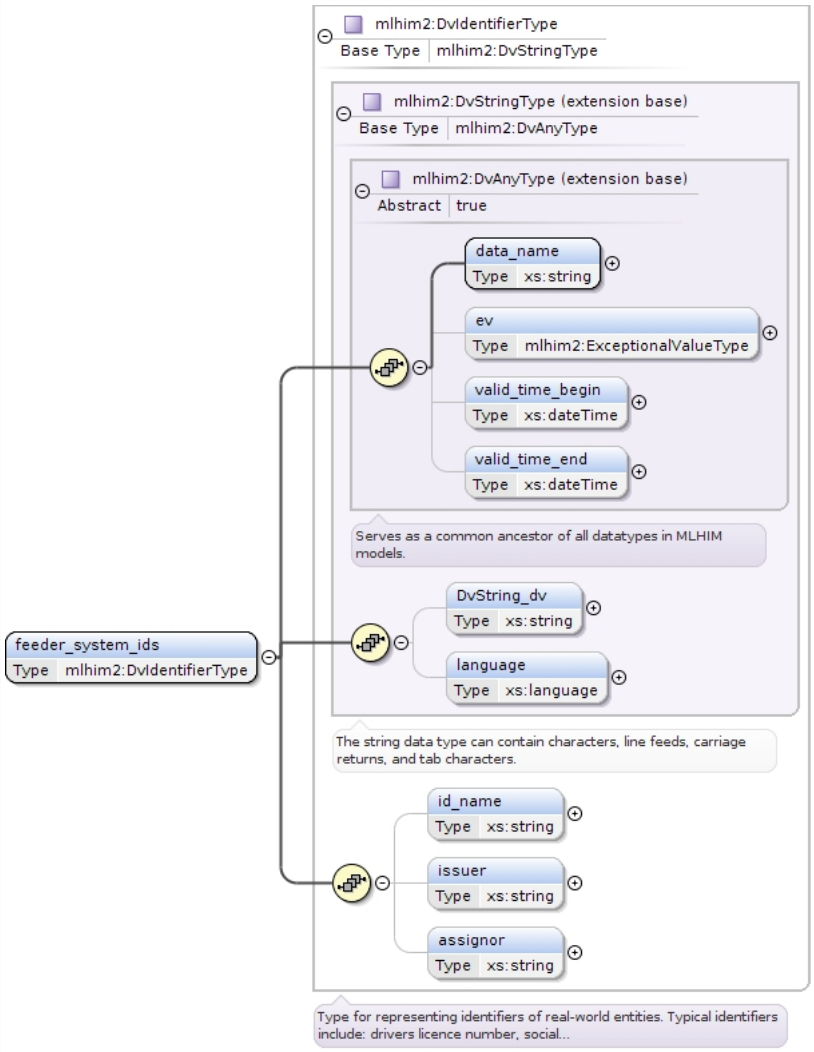
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:FeederAuditDetailsType
Properties	content: complex
Model	mlhim2:system_id , mlhim2:provider , mlhim2:location , mlhim2:time , mlhim2:subject , mlhim2:version_id
Children	mlhim2:location, mlhim2:provider, mlhim2:subject, mlhim2:system_id, mlhim2:time, mlhim2:version_id

Instance	`<mlhim2:feeder_system_audit xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:system_id>{1,1}</mlhim2:system_id>`
	`  <mlhim2:provider>{1,1}</mlhim2:provider>`
	`  <mlhim2:location>{1,1}</mlhim2:location>`
	`  <mlhim2:time>{1,1}</mlhim2:time>`
	`  <mlhim2:subject>{1,1}</mlhim2:subject>`
	`  <mlhim2:version_id>{1,1}</mlhim2:version_id>`
	`</mlhim2:feeder_system_audit>`

Source	`<xs:element name="feeder_system_audit" type="mlhim2:FeederAuditDetailsType"/>`

Element `mlhim2:FeederAuditType / mlhim2:feeder_system_ids`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvIdentifierType

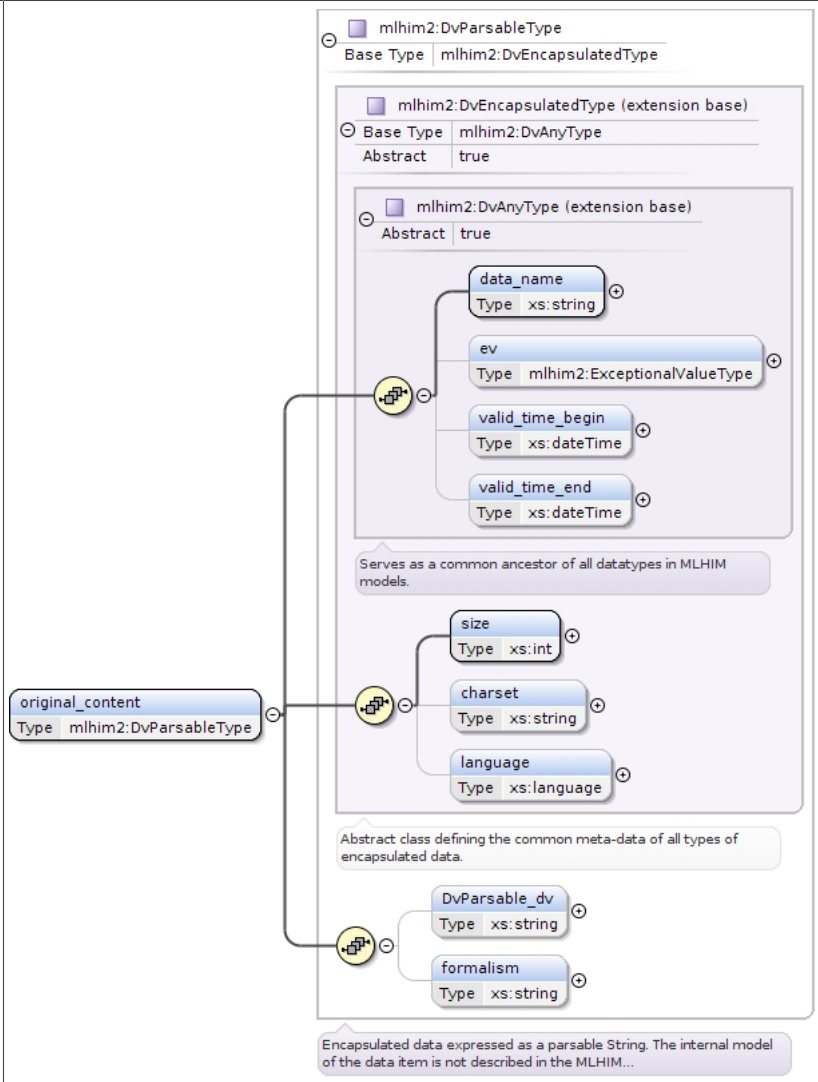
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvIdentifierType

Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:feeder_system_ids xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:id_name>{0,1}</mlhim2:id_name>`
	`  <mlhim2:issuer>{0,1}</mlhim2:issuer>`
	`  <mlhim2:assignor>{0,1}</mlhim2:assignor>`
	`</mlhim2:feeder_system_ids>`

Source	`<xs:element maxOccurs="unbounded" minOccurs="1" name="feeder_system_ids"` `  type="mlhim2:DvIdentifierType"/>`

Element `mlhim2:FeederAuditType / mlhim2:original_content`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvParsableType

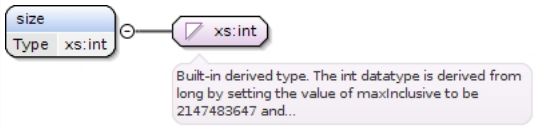
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvEncapsulatedType
	  • mlhim2:DvParsableType

Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:DvParsable_dv{0,1} , mlhim2:formalism{0,1}
Children	mlhim2:DvParsable_dv, mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:formalism, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end

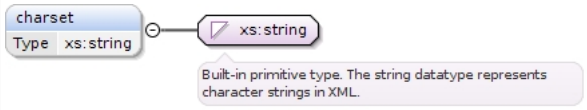
Instance	`<mlhim2:original_content xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:size>{1,1}</mlhim2:size>`
	`  <mlhim2:charset>{0,1}</mlhim2:charset>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:DvParsable_dv>{0,1}</mlhim2:DvParsable_dv>`
	`  <mlhim2:formalism>{0,1}</mlhim2:formalism>`
	`</mlhim2:original_content>`

Source	<xs:element maxOccurs="1" minOccurs="1" name="original_content" type="mlhim2:DvParsableType"/>

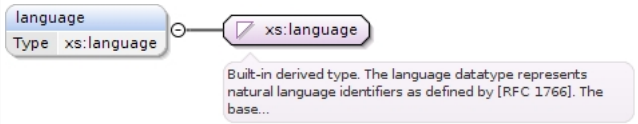
Element mlhim2:DvEncapsulatedType / mlhim2:size

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="1" name="size" type="xs:int"/>

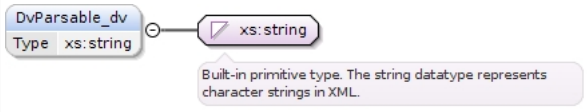
Element mlhim2:DvEncapsulatedType / mlhim2:charset

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="charset" type="xs:string"/>

Element mlhim2:DvEncapsulatedType / mlhim2:language

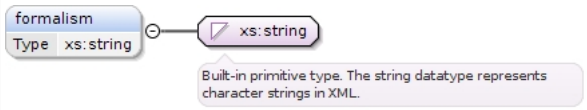
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:language
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="language" type="xs:language"/>

Element mlhim2:DvParsableType / mlhim2:DvParsable_dv

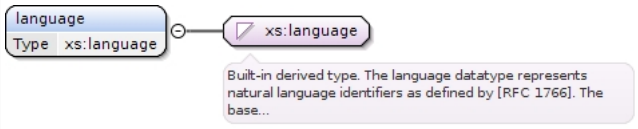
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<xs:element minOccurs="0" name="DvParsable_dv" type="xs:string"/>

Element mlhim2:DvParsableType / mlhim2:formalism

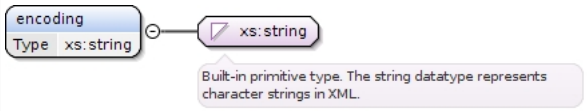
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="formalism" type="xs:string"/>`

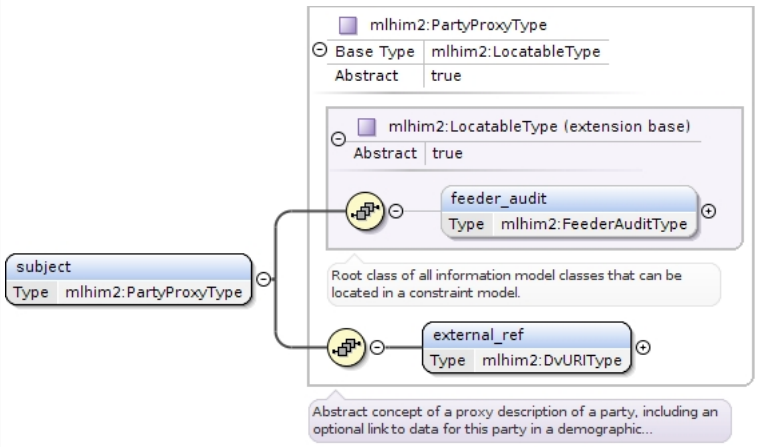
Element mlhim2:EntryType / mlhim2:language

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:language
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="1" name="language" type="xs:language"/>`

Element mlhim2:EntryType / mlhim2:encoding

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple
Source	`<xs:element name="encoding" type="xs:string"/>`

Element mlhim2:EntryType / mlhim2:subject

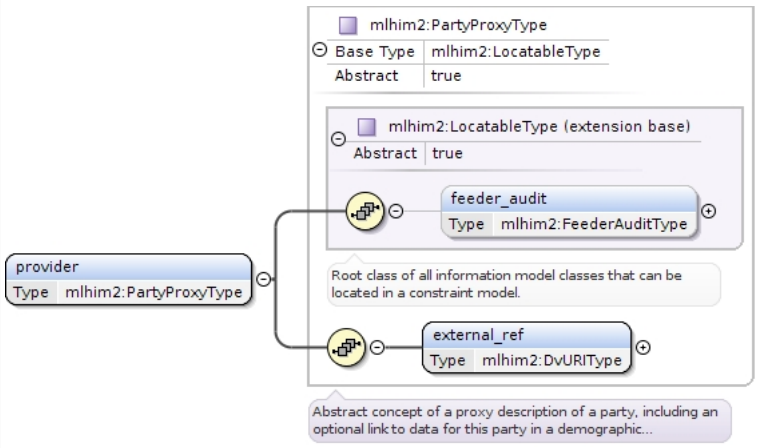
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: complex

	minOccurs: 1 maxOccurs: 1
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:subject xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:subject>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="subject" type="mlhim2:PartyProxyType"/>`

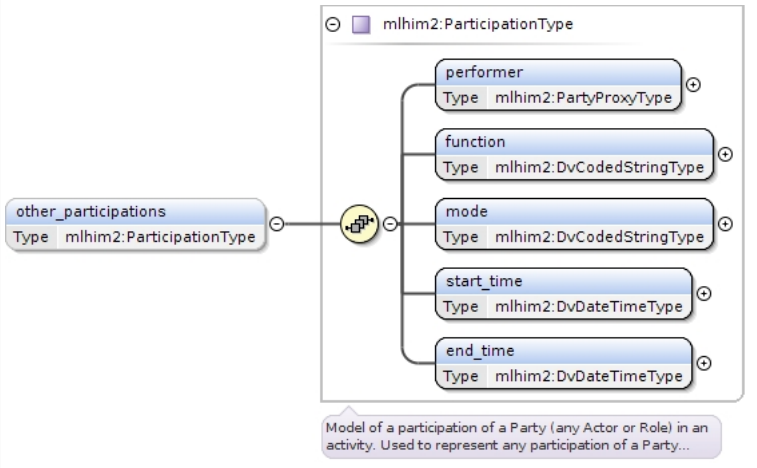
Element mlhim2:EntryType / mlhim2:provider

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:provider xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:provider>`

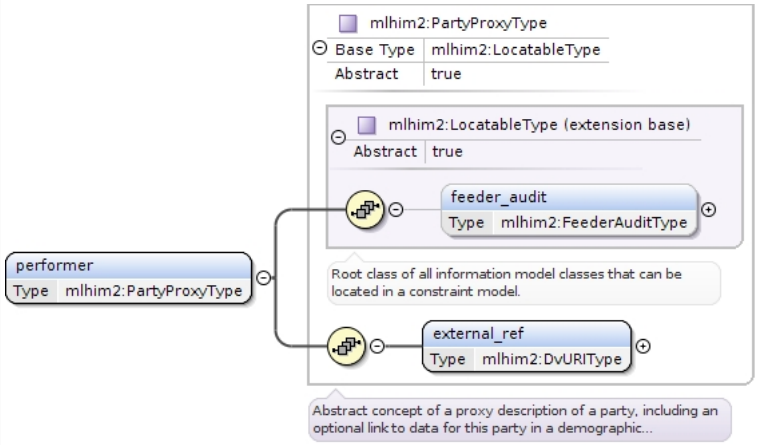
Source	`<xs:element name="provider" type="mlhim2:PartyProxyType"/>`

Element mlhim2:EntryType / mlhim2:other_participations

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

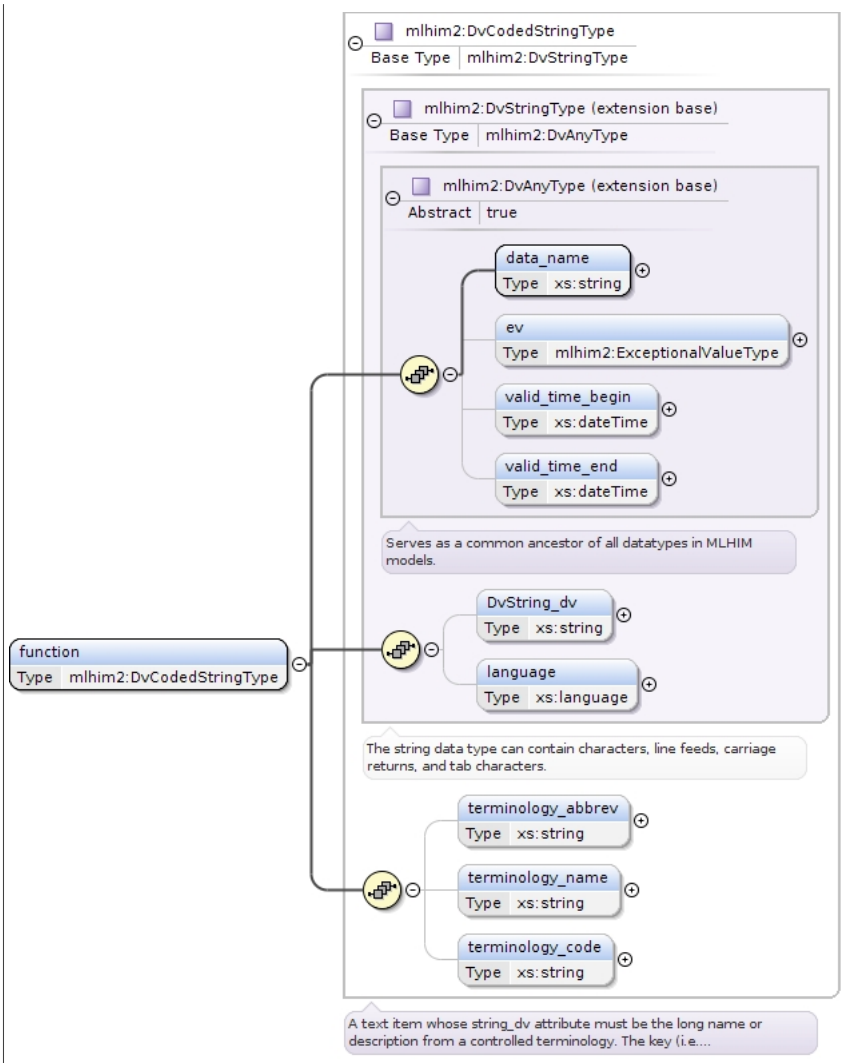
Type	mlhim2:ParticipationType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	mlhim2:performer , mlhim2:function , mlhim2:mode , mlhim2:start_time , mlhim2:end_time
Children	mlhim2:end_time, mlhim2:function, mlhim2:mode, mlhim2:performer, mlhim2:start_time
Instance	<mlhim2:other_participations xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:performer>{1,1}</mlhim2:performer> <mlhim2:function>{1,1}</mlhim2:function> <mlhim2:mode>{1,1}</mlhim2:mode> <mlhim2:start_time>{1,1}</mlhim2:start_time> <mlhim2:end_time>{1,1}</mlhim2:end_time> </mlhim2:other_participations>
Source	<xs:element maxOccurs="unbounded" minOccurs="0" name="other_participations" type="mlhim2:ParticipationType"/>

Element mlhim2:ParticipationType / mlhim2:performer

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Instance	<mlhim2:performer xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:external_ref>{1,1}</mlhim2:external_ref> </mlhim2:performer>
Source	<xs:element maxOccurs="1" minOccurs="1" name="performer" type="mlhim2:PartyProxyType"/>

Element mlhim2:ParticipationType / mlhim2:function

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvCodedStringType

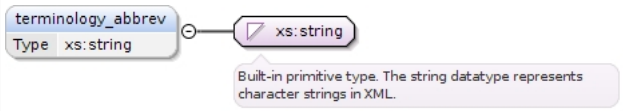
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvCodedStringType

Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end

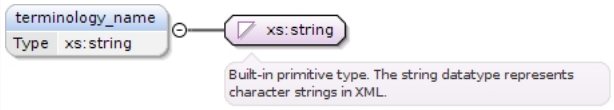
Instance	`<mlhim2:function xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:terminology_abbrev>{0,1}</mlhim2:terminology_abbrev>`
	`  <mlhim2:terminology_name>{0,1}</mlhim2:terminology_name>`
	`  <mlhim2:terminology_code>{0,1}</mlhim2:terminology_code>`
	`</mlhim2:function>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="function" type="mlhim2:DvCodedStringType"/>`

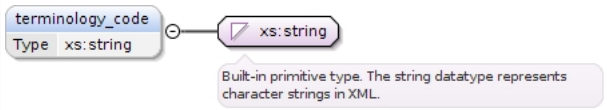
Element mlhim2:DvCodedStringType / mlhim2:terminology_abbrev

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="terminology_abbrev" type="xs:string"/>`

Element mlhim2:DvCodedStringType / mlhim2:terminology_name

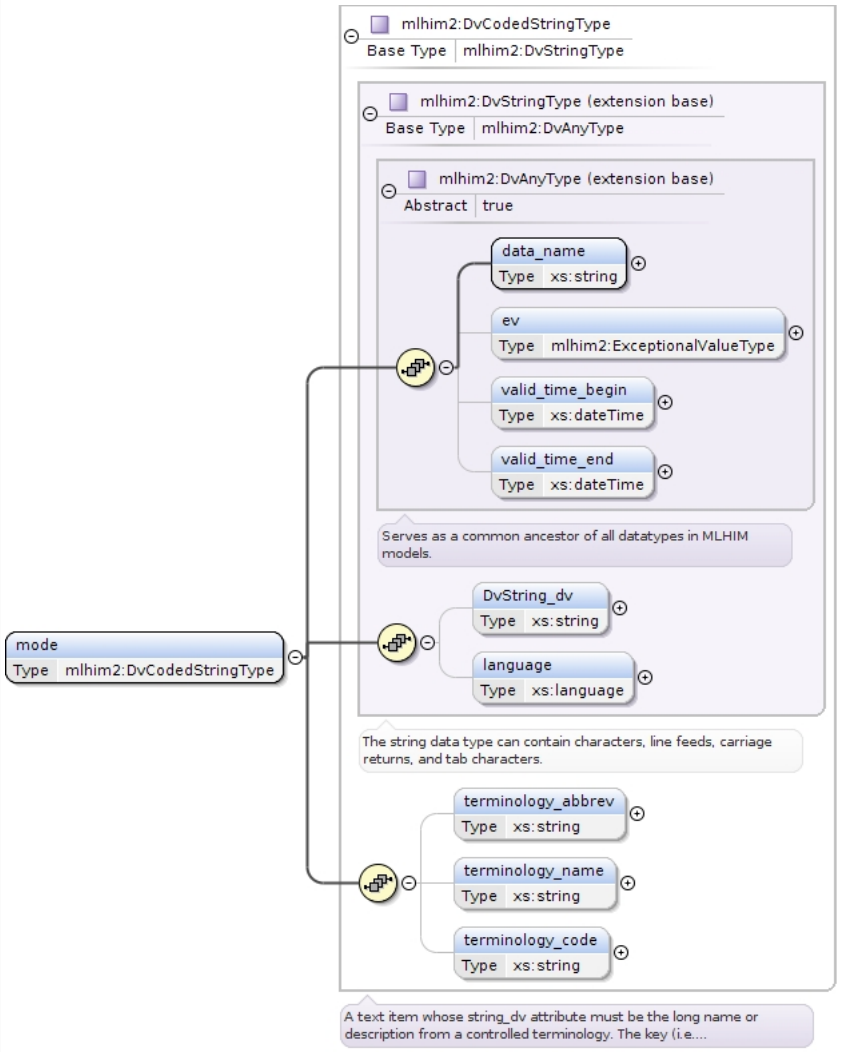
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="terminology_name" type="xs:string"/>`

Element mlhim2:DvCodedStringType / mlhim2:terminology_code

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="terminology_code" type="xs:string"/>`

Element mlhim2:ParticipationType / mlhim2:mode

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvCodedStringType

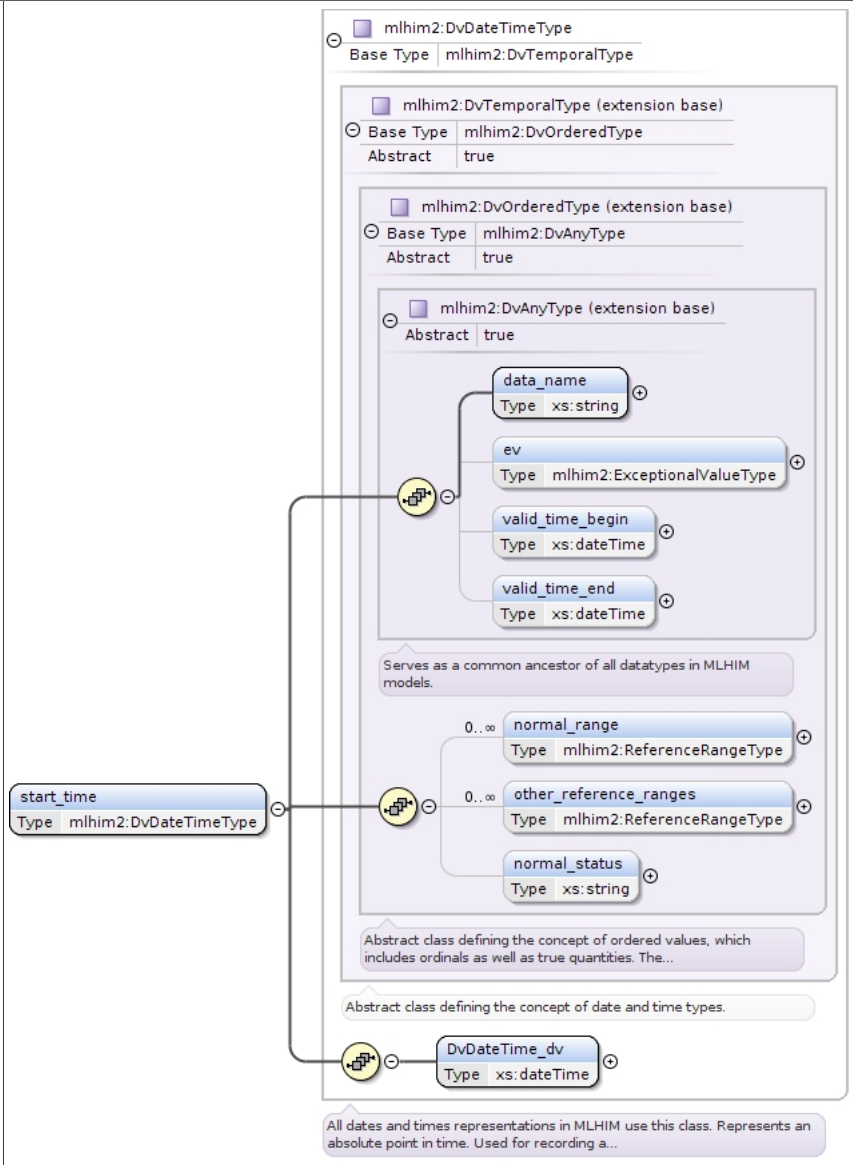
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvCodedStringType

Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:mode xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:terminology_abbrev>{0,1}</mlhim2:terminology_abbrev>`
	`  <mlhim2:terminology_name>{0,1}</mlhim2:terminology_name>`
	`  <mlhim2:terminology_code>{0,1}</mlhim2:terminology_code>`
	`</mlhim2:mode>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="mode" type="mlhim2:DvCodedStringType"/>`

Element `mlhim2:ParticipationType / mlhim2:start_time`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvDateTimeType

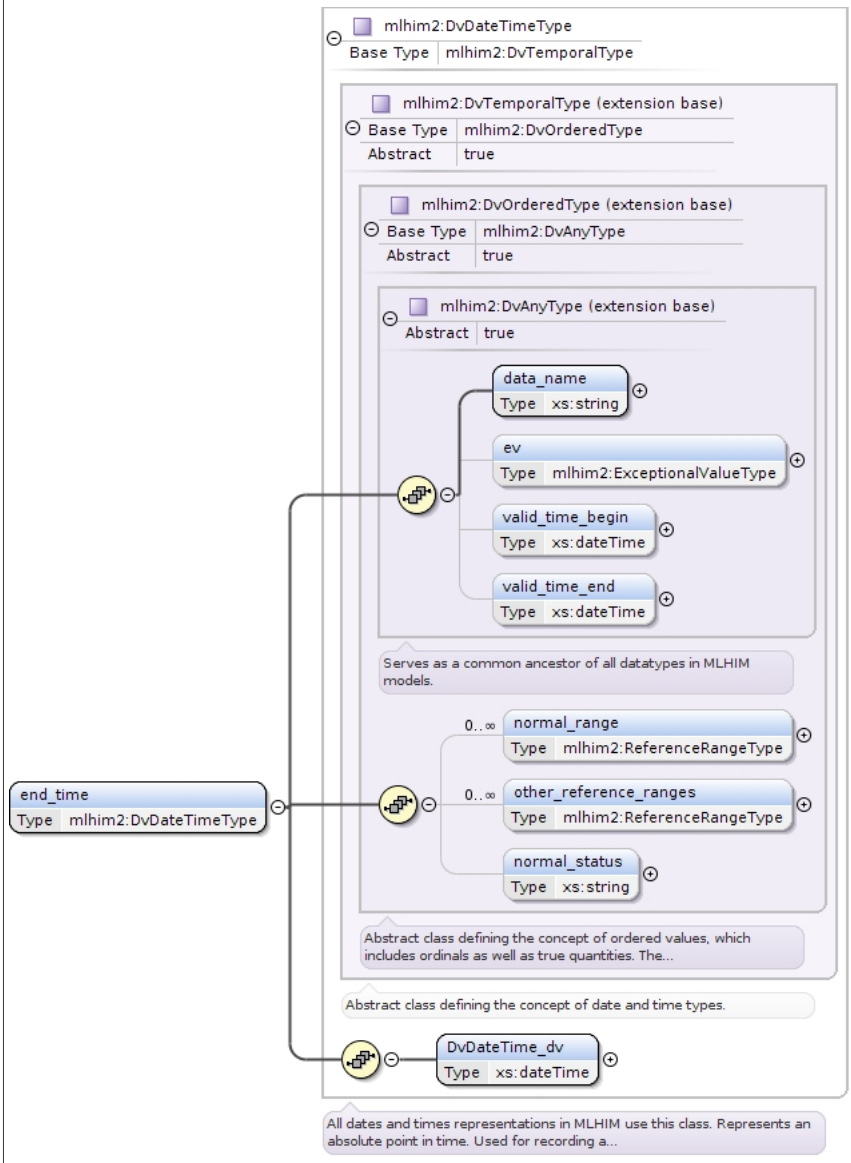
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDateTimeType

Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:start_time xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`<mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`<mlhim2:ev>{0,1}</mlhim2:ev>`
	`<mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`<mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`<mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>`
	`<mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>`
	`<mlhim2:normal_status>{0,1}</mlhim2:normal_status>`
	`<mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv>`

	`</mlhim2:start_time>`
Source	`<xs:element name="start_time" type="mlhim2:DvDateTimeType"/>`

Element `mlhim2:ParticipationType / mlhim2:end_time`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvDateTimeType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDateTimeType

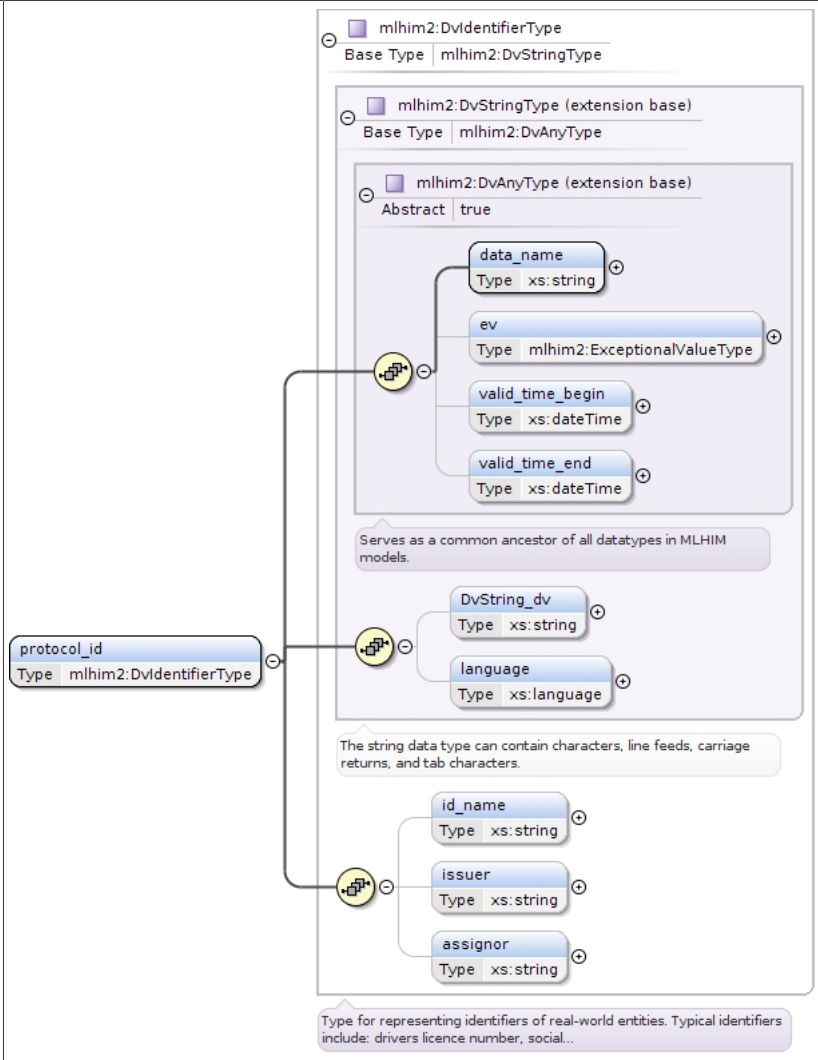
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:end_time xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`

```
  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>
  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>
  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>
  <mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv>
</mlhim2:end_time>
```

Source	`<xs:element name="end_time" type="mlhim2:DvDateTimeType"/>`

Element `mlhim2:EntryType / mlhim2:protocol_id`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvIdentifierType

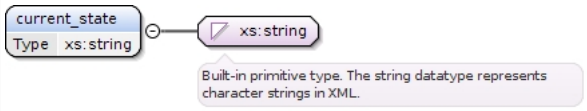
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvIdentifierType

Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

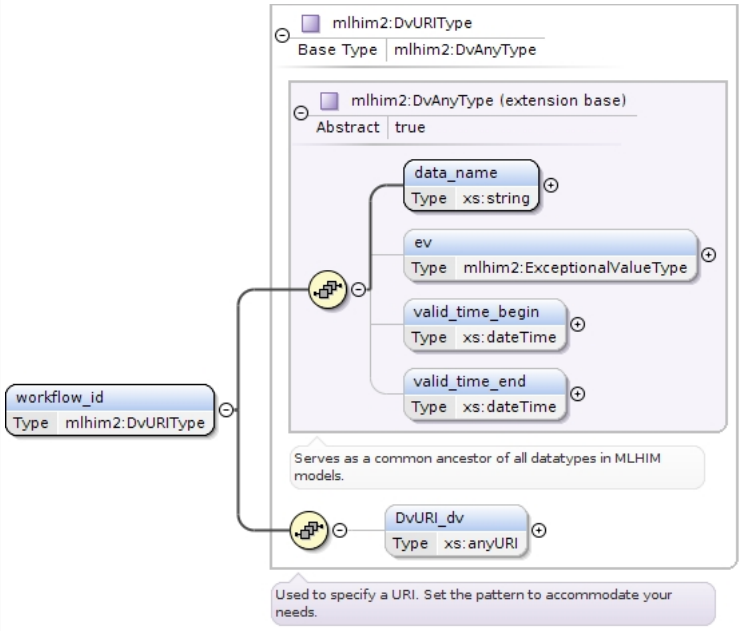
Instance	`<mlhim2:protocol_id xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`

	<mlhim2:id_name>{0,1}</mlhim2:id_name> <mlhim2:issuer>{0,1}</mlhim2:issuer> <mlhim2:assignor>{0,1}</mlhim2:assignor> </mlhim2:protocol_id>
Source	<xs:element name="protocol_id" type="mlhim2:DvIdentifierType"/>

Element mlhim2:EntryType / mlhim2:current_state

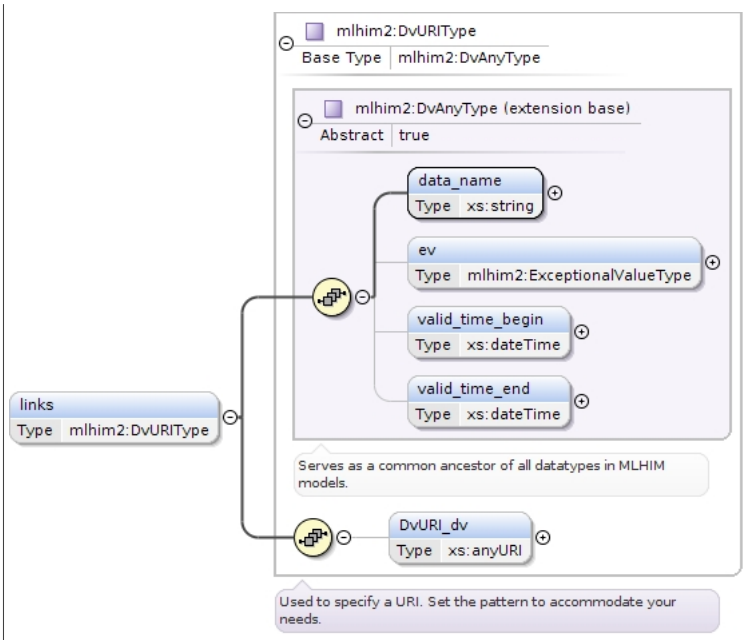
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple
Source	<xs:element name="current_state" type="xs:string"/>

Element mlhim2:EntryType / mlhim2:workflow_id

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvURIType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvURIType
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvURI_dv{0,1}
Children	mlhim2:DvURI_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:workflow_id xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:DvURI_dv>{0,1}</mlhim2:DvURI_dv> </mlhim2:workflow_id>
Source	<xs:element name="workflow_id" type="mlhim2:DvURIType"/>

Element mlhim2:EntryType / mlhim2:links

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

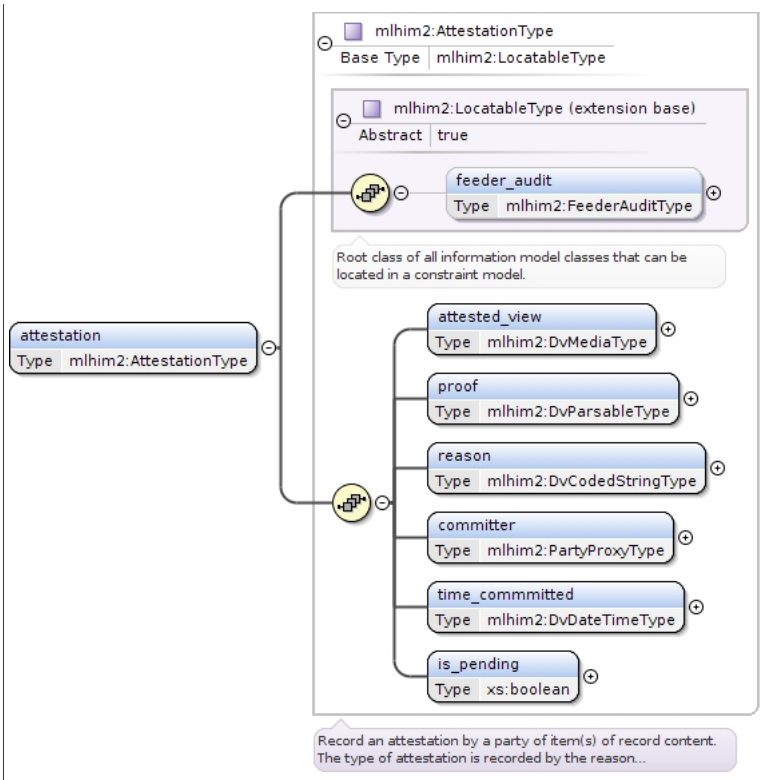
Diagram	
Type	mlhim2:DvURIType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvURIType
Properties	content: complex minOccurs: 0 maxOccurs: unbounded
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvURI_dv{0,1}
Children	mlhim2:DvURI_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:links xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvURI_dv>{0,1}</mlhim2:DvURI_dv>`
	`</mlhim2:links>`

Source	`<xs:element maxOccurs="unbounded" minOccurs="0" name="links" type="mlhim2:DvURIType"/>`

Element `mlhim2:EntryType / mlhim2:attestation`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

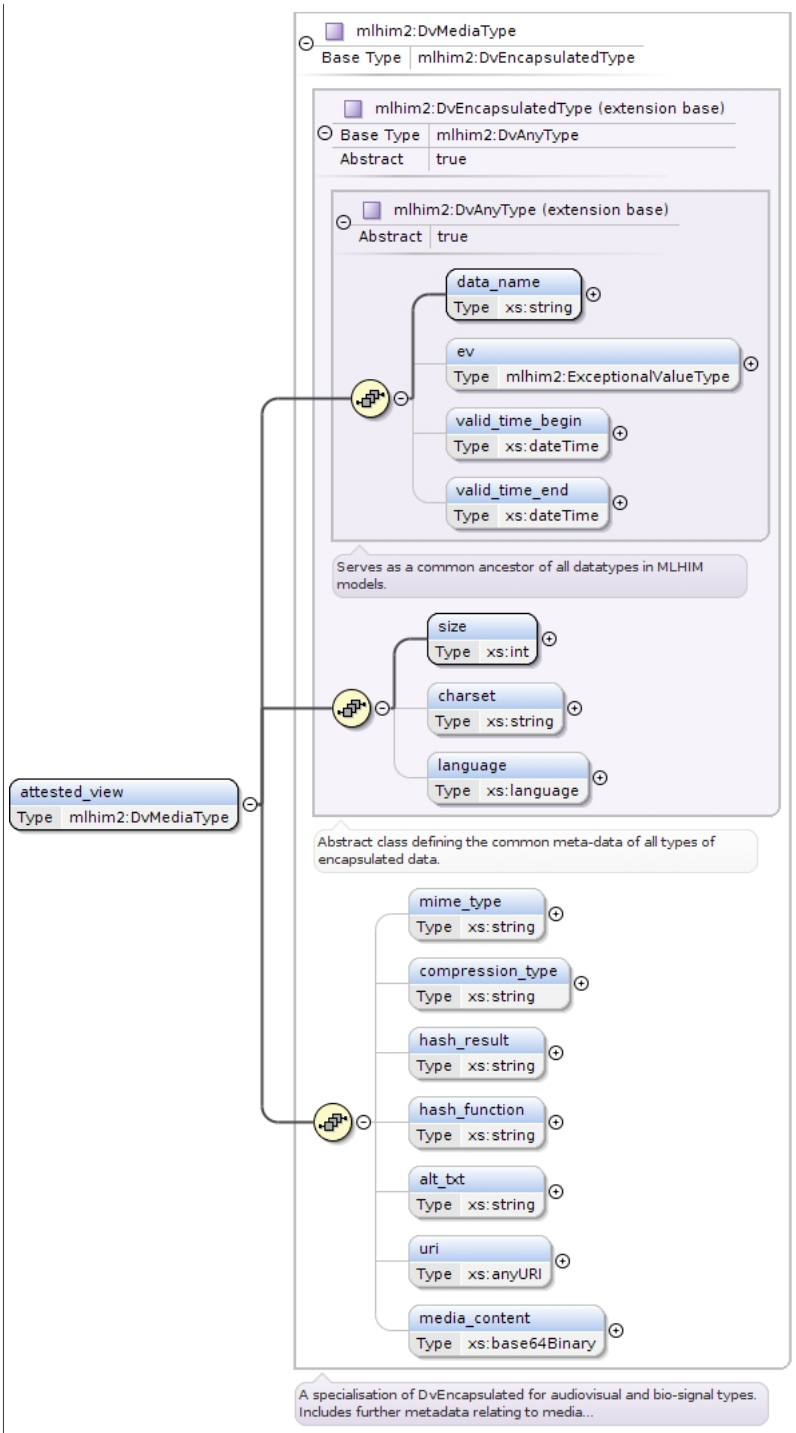
Diagram	
Type	mlhim2:AttestationType
Type hierarchy	• mlhim2:LocatableType • mlhim2:AttestationType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:attested_view , mlhim2:proof , mlhim2:reason , mlhim2:committer , mlhim2:time_commmitted , mlhim2:is_pending
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_commmitted

Instance	`<mlhim2:attestation xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:attested_view>{1,1}</mlhim2:attested_view>`
	`  <mlhim2:proof>{1,1}</mlhim2:proof>`
	`  <mlhim2:reason>{1,1}</mlhim2:reason>`
	`  <mlhim2:committer>{1,1}</mlhim2:committer>`
	`  <mlhim2:time_commmitted>{1,1}</mlhim2:time_commmitted>`
	`  <mlhim2:is_pending>{1,1}</mlhim2:is_pending>`
	`</mlhim2:attestation>`

Source	`<xs:element name="attestation" type="mlhim2:AttestationType"/>`

Element `mlhim2:AttestationType / mlhim2:attested_view`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

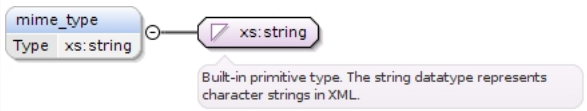
Diagram	
Type	mlhim2:DvMediaType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvEncapsulatedType
	  • mlhim2:DvMediaType

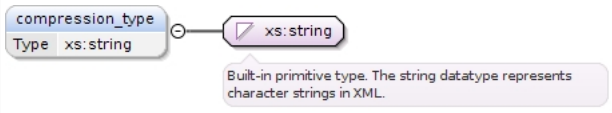
Properties	content: `complex`
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:mime_type{0,1} , mlhim2:compression_type{0,1} , mlhim2:hash_result{0,1} , mlhim2:hash_function{0,1} , mlhim2:alt_txt{0,1} , mlhim2:uri{0,1} , mlhim2:media_content{0,1}
Children	mlhim2:alt_txt, mlhim2:charset, mlhim2:compression_type, mlhim2:data_name, mlhim2:ev, mlhim2:hash_function, mlhim2:hash_result, mlhim2:language, mlhim2:media_content, mlhim2:mime_type, mlhim2:size, mlhim2:uri, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	<mlhim2:attested_view xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:size>{1,1}</mlhim2:size> <mlhim2:charset>{0,1}</mlhim2:charset> <mlhim2:language>{0,1}</mlhim2:language> <mlhim2:mime_type>{0,1}</mlhim2:mime_type> <mlhim2:compression_type>{0,1}</mlhim2:compression_type> <mlhim2:hash_result>{0,1}</mlhim2:hash_result> <mlhim2:hash_function>{0,1}</mlhim2:hash_function> <mlhim2:alt_txt>{0,1}</mlhim2:alt_txt> <mlhim2:uri>{0,1}</mlhim2:uri> <mlhim2:media_content>{0,1}</mlhim2:media_content> </mlhim2:attested_view>
Source	<xs:element name="attested_view" type="mlhim2:DvMediaType"/>

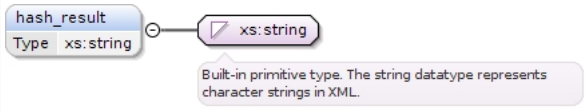
Element mlhim2:DvMediaType / mlhim2:mime_type

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="mime_type" type="xs:string"/>

Element mlhim2:DvMediaType / mlhim2:compression_type

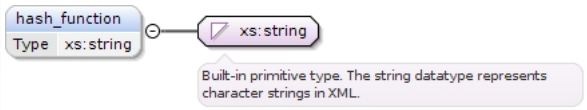
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="compression_type" type="xs:string"/>

Element mlhim2:DvMediaType / mlhim2:hash_result

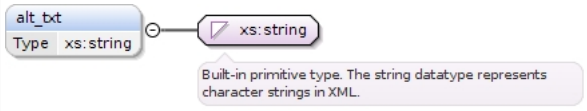
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="hash_result" type="xs:string"/>

Element mlhim2:DvMediaType / mlhim2:hash_function

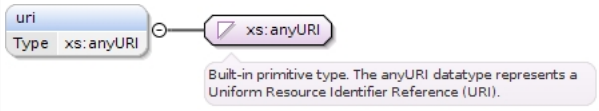
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="hash_function" type="xs:string"/>`

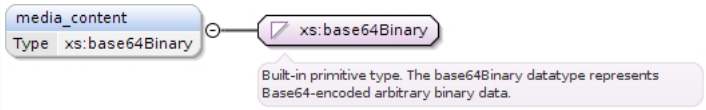
Element mlhim2:DvMediaType / mlhim2:alt_txt

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="alt_txt" type="xs:string"/>`

Element mlhim2:DvMediaType / mlhim2:uri

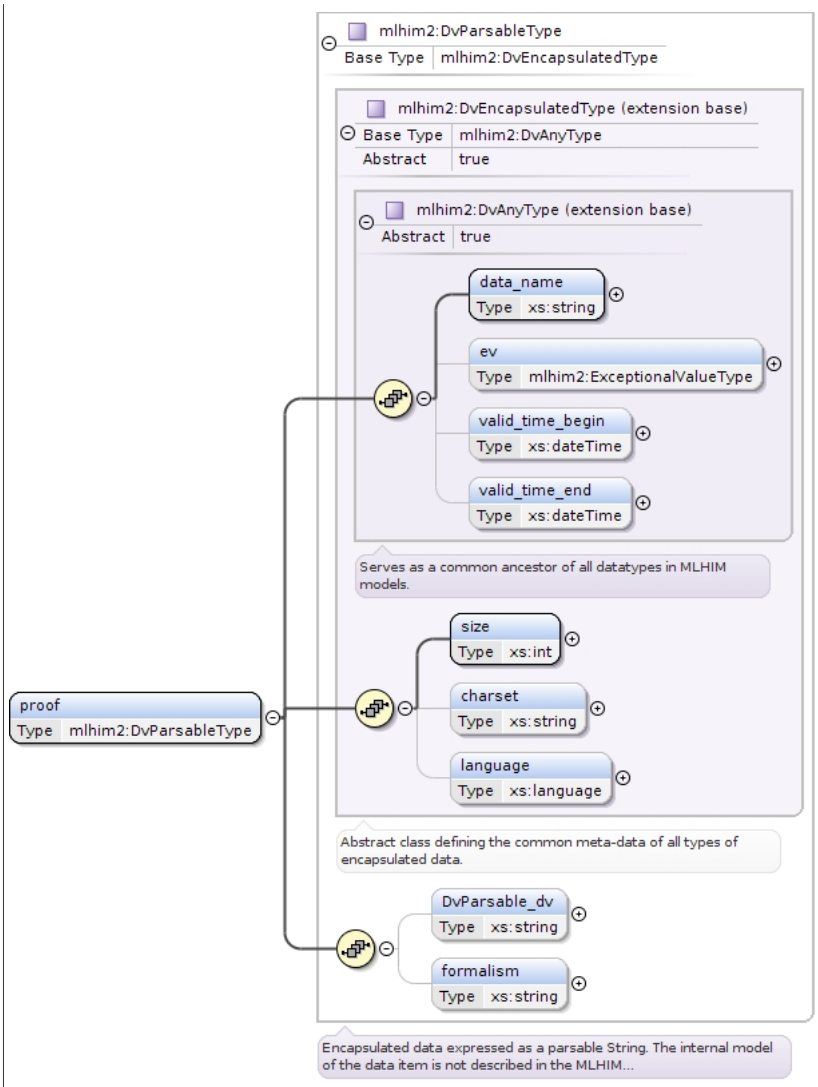
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:anyURI
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="uri" type="xs:anyURI"/>`

Element mlhim2:DvMediaType / mlhim2:media_content

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:base64Binary
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="media_content" type="xs:base64Binary"/>`

Element mlhim2:AttestationType / mlhim2:proof

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

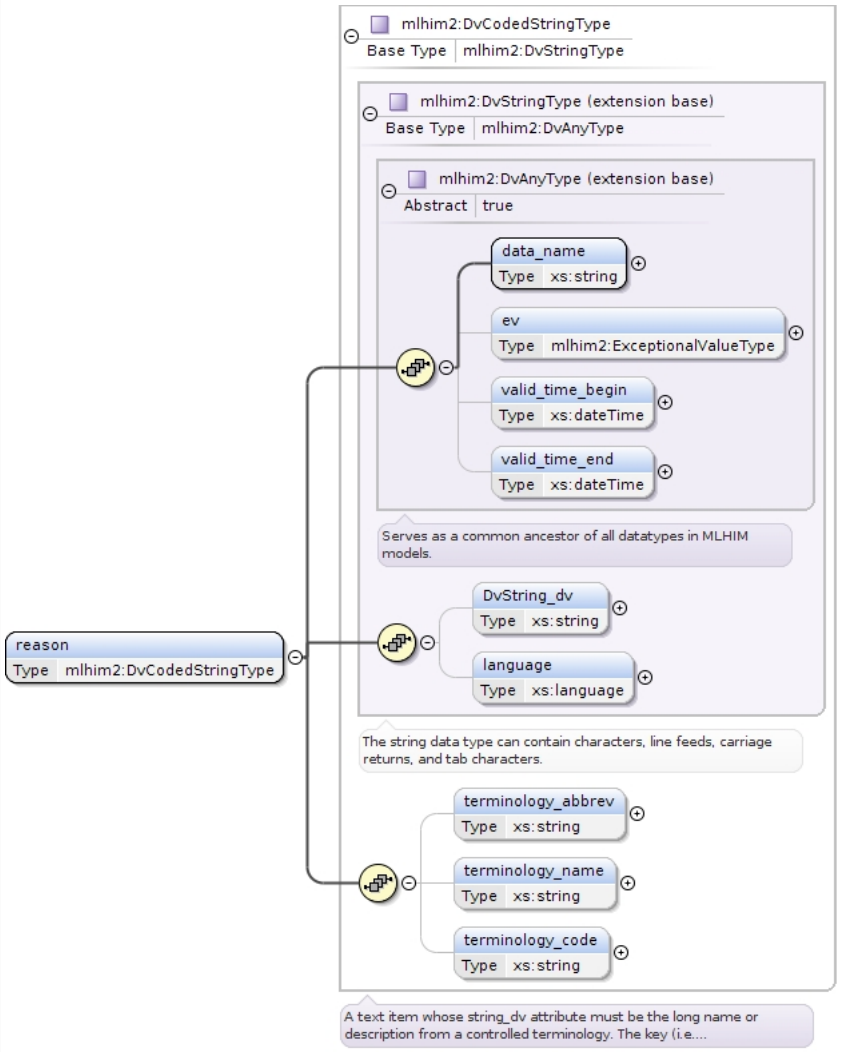
Diagram	
Type	mlhim2:DvParsableType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvEncapsulatedType
	  • mlhim2:DvParsableType

Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:DvParsable_dv{0,1} , mlhim2:formalism{0,1}
Children	mlhim2:DvParsable_dv, mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:formalism, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:proof xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:size>{1,1}</mlhim2:size> <mlhim2:charset>{0,1}</mlhim2:charset> <mlhim2:language>{0,1}</mlhim2:language> <mlhim2:DvParsable_dv>{0,1}</mlhim2:DvParsable_dv> <mlhim2:formalism>{0,1}</mlhim2:formalism> </mlhim2:proof>
Source	<xs:element name="proof" type="mlhim2:DvParsableType"/>

Element mlhim2:AttestationType / mlhim2:reason

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvCodedStringType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvCodedStringType

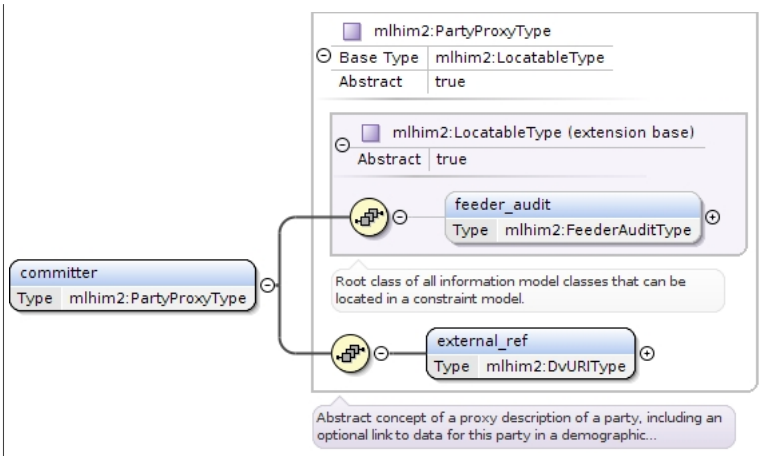
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:reason xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:terminology_abbrev>{0,1}</mlhim2:terminology_abbrev>`
	`  <mlhim2:terminology_name>{0,1}</mlhim2:terminology_name>`
	`  <mlhim2:terminology_code>{0,1}</mlhim2:terminology_code>`
	`</mlhim2:reason>`

Source	`<xs:element name="reason" type="mlhim2:DvCodedStringType"/>`

Element `mlhim2:AttestationType / mlhim2:committer`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

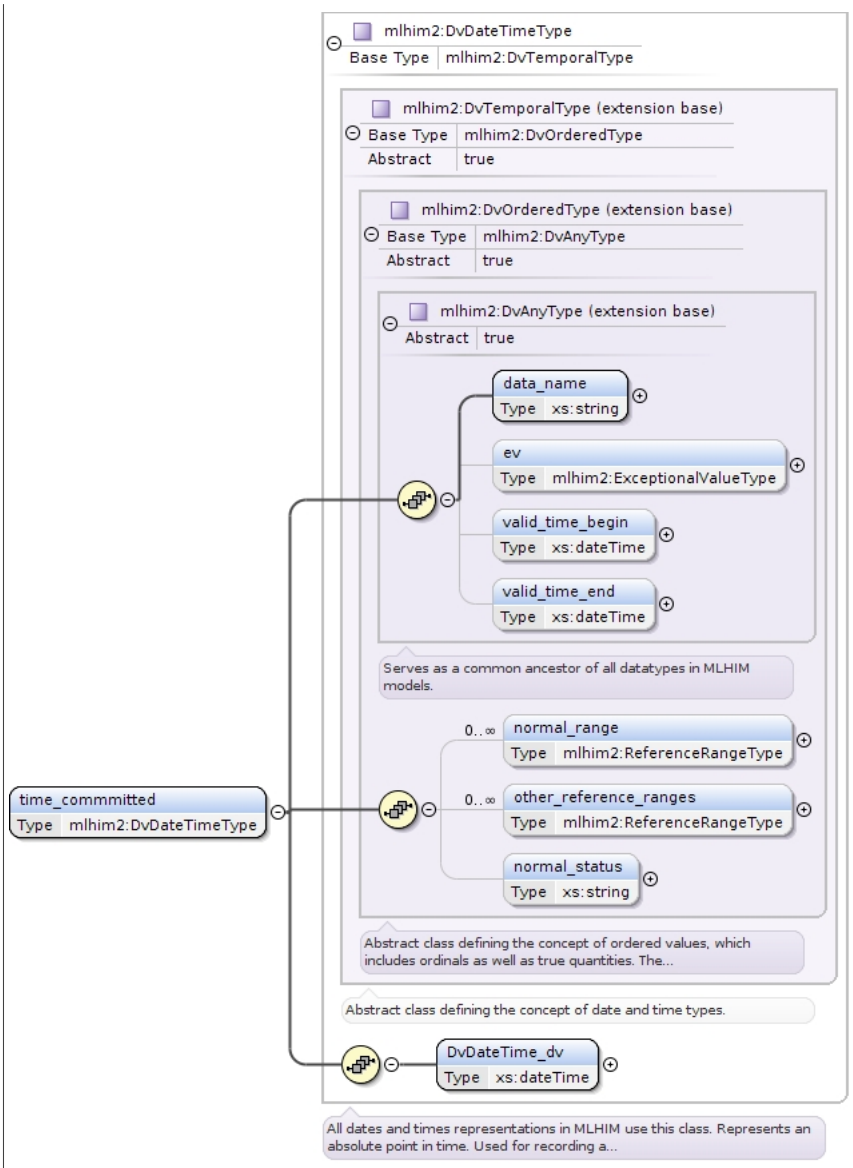
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:committer xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:committer>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="committer" type="mlhim2:PartyProxyType"/>`

Element `mlhim2:AttestationType / mlhim2:time_commmitted`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

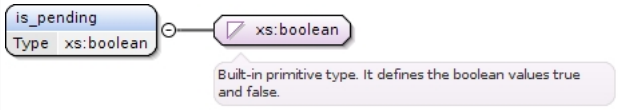
Diagram	
Type	mlhim2:DvDateTimeType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDateTimeType

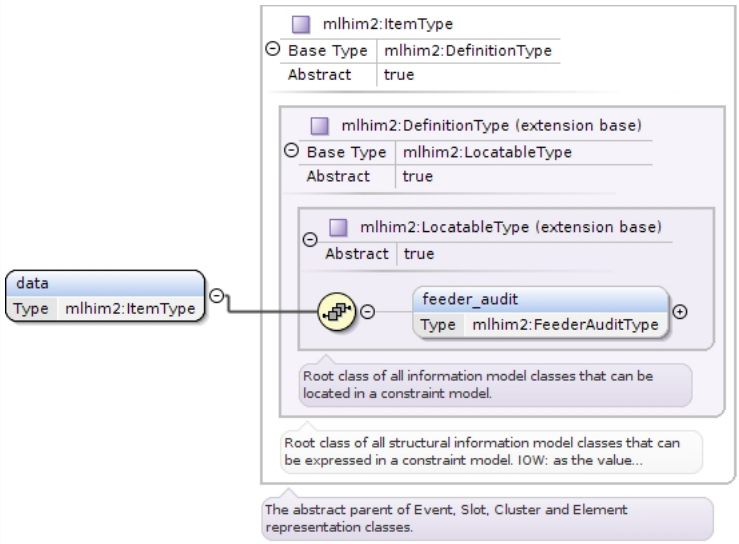
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:time_commmitted xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv>

	`</mlhim2:time_commmitted>`
Source	`<xs:element maxOccurs="1" minOccurs="1" name="time_commmitted" type="mlhim2:DvDateTimeType"/>`

Element `mlhim2:AttestationType / mlhim2:is_pending`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:boolean
Properties	content: simple
Source	`<xs:element name="is_pending" type="xs:boolean"/>`

Element `mlhim2:EntryType / mlhim2:data`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ItemType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType

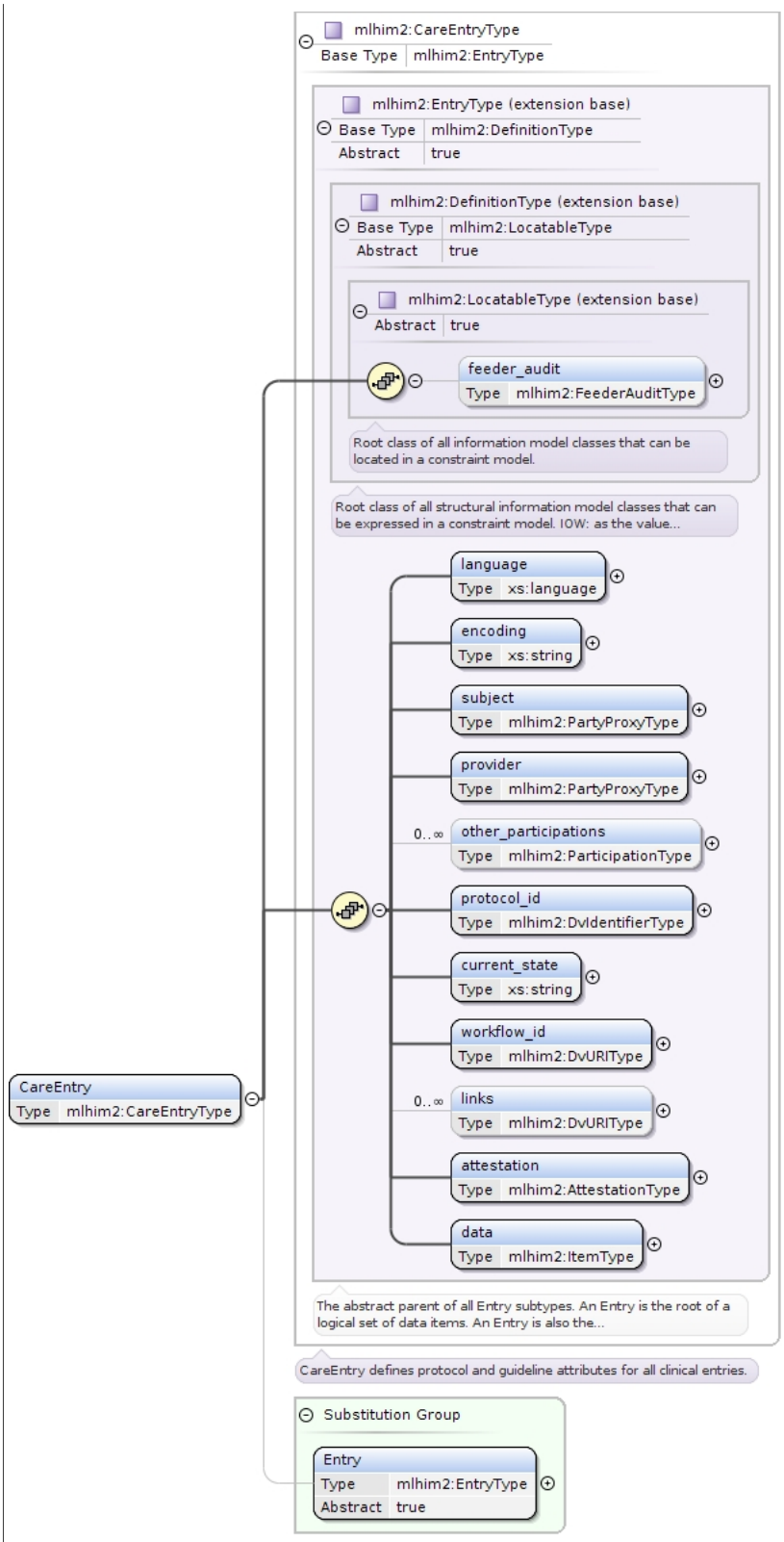
Properties	content: complex
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit

Instance	`<mlhim2:data xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`</mlhim2:data>`

Source	`<xs:element name="data" type="mlhim2:ItemType"/>`

Element `mlhim2:CareEntry`

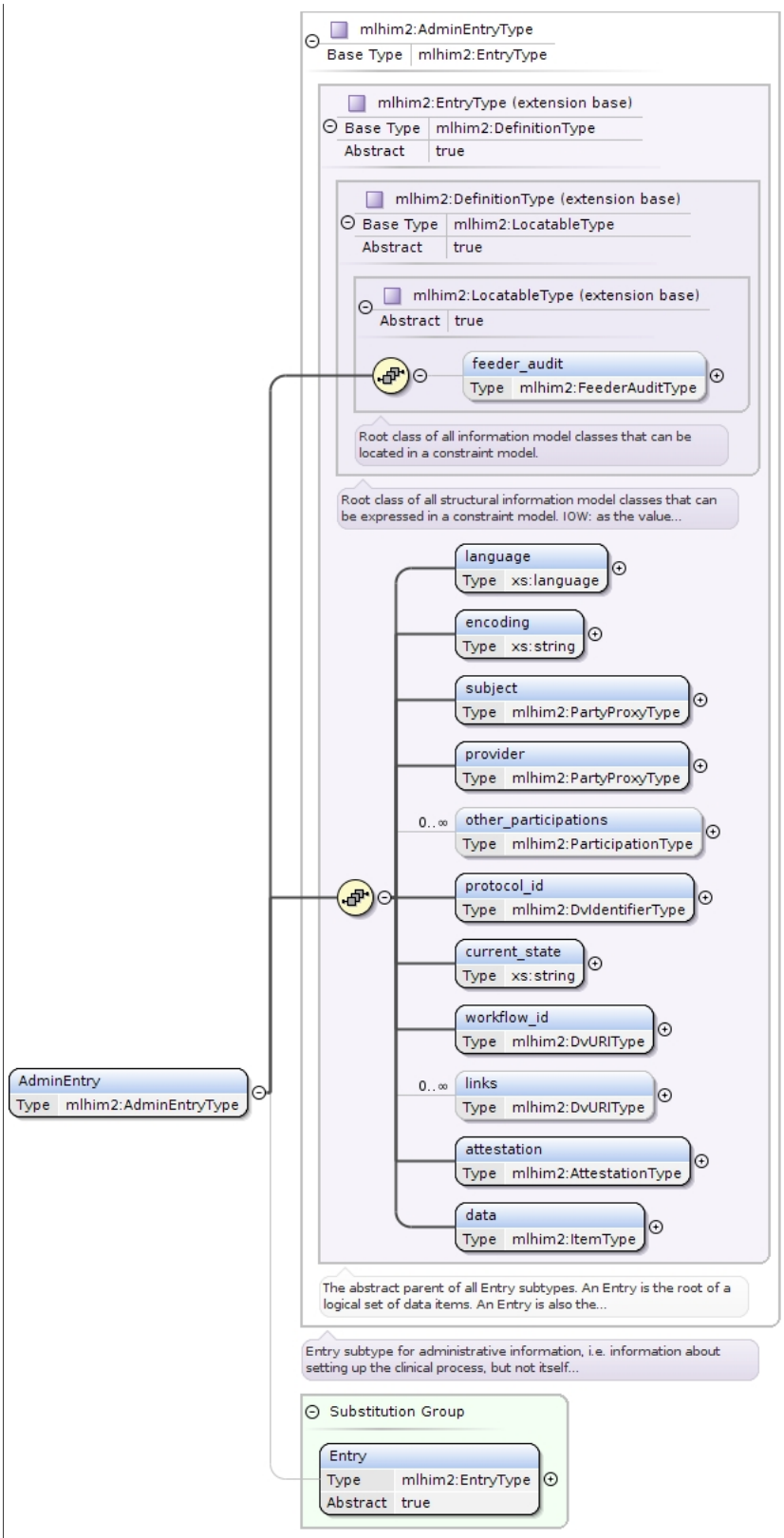
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:CareEntryType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:EntryType • mlhim2:CareEntryType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:Entry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Instance	<mlhim2:CareEntry xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:language>{1,1}</mlhim2:language> <mlhim2:encoding>{1,1}</mlhim2:encoding> <mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:other_participations>{0,unbounded}</mlhim2:other_participations> <mlhim2:protocol_id>{1,1}</mlhim2:protocol_id> <mlhim2:current_state>{1,1}</mlhim2:current_state> <mlhim2:workflow_id>{1,1}</mlhim2:workflow_id> <mlhim2:links>{0,unbounded}</mlhim2:links> <mlhim2:attestation>{1,1}</mlhim2:attestation> <mlhim2:data>{1,1}</mlhim2:data> </mlhim2:CareEntry>
Source	<xs:element name="CareEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:CareEntryType"/>

Element mlhim2:AdminEntry

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

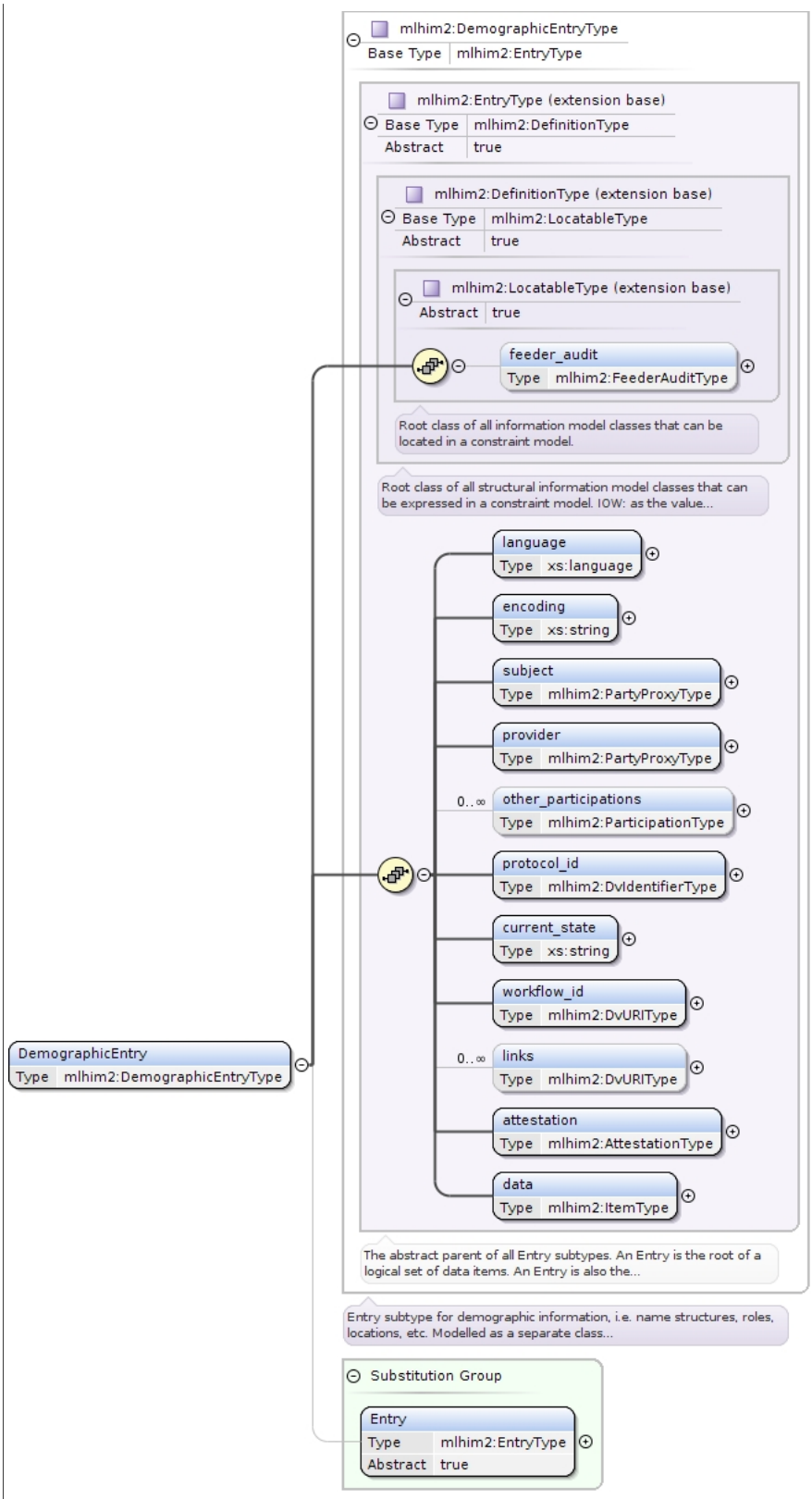
Diagram	
Type	mlhim2:AdminEntryType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:EntryType
	  • mlhim2:AdminEntryType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:Entry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Instance	<mlhim2:AdminEntry xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:language>{1,1}</mlhim2:language> <mlhim2:encoding>{1,1}</mlhim2:encoding> <mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:other_participations>{0,unbounded}</mlhim2:other_participations> <mlhim2:protocol_id>{1,1}</mlhim2:protocol_id> <mlhim2:current_state>{1,1}</mlhim2:current_state> <mlhim2:workflow_id>{1,1}</mlhim2:workflow_id> <mlhim2:links>{0,unbounded}</mlhim2:links> <mlhim2:attestation>{1,1}</mlhim2:attestation> <mlhim2:data>{1,1}</mlhim2:data> </mlhim2:AdminEntry>
Source	<xs:element name="AdminEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:AdminEntryType"/>

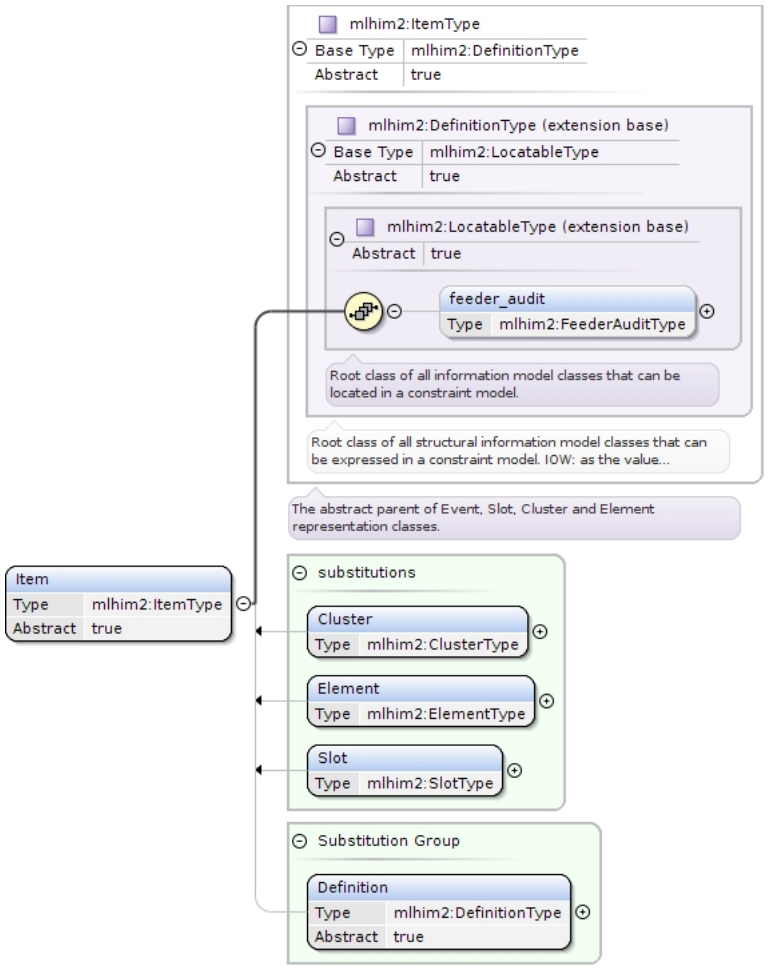
Element mlhim2:DemographicEntry

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DemographicEntryType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:EntryType • mlhim2:DemographicEntryType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:Entry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Instance	<mlhim2:DemographicEntry xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:language>{1,1}</mlhim2:language> <mlhim2:encoding>{1,1}</mlhim2:encoding> <mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:other_participations>{0,unbounded}</mlhim2:other_participations> <mlhim2:protocol_id>{1,1}</mlhim2:protocol_id> <mlhim2:current_state>{1,1}</mlhim2:current_state> <mlhim2:workflow_id>{1,1}</mlhim2:workflow_id> <mlhim2:links>{0,unbounded}</mlhim2:links> <mlhim2:attestation>{1,1}</mlhim2:attestation> <mlhim2:data>{1,1}</mlhim2:data> </mlhim2:DemographicEntry>
Source	<xs:element name="DemographicEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:DemographicEntryType"/>

Element `mlhim2:Item`

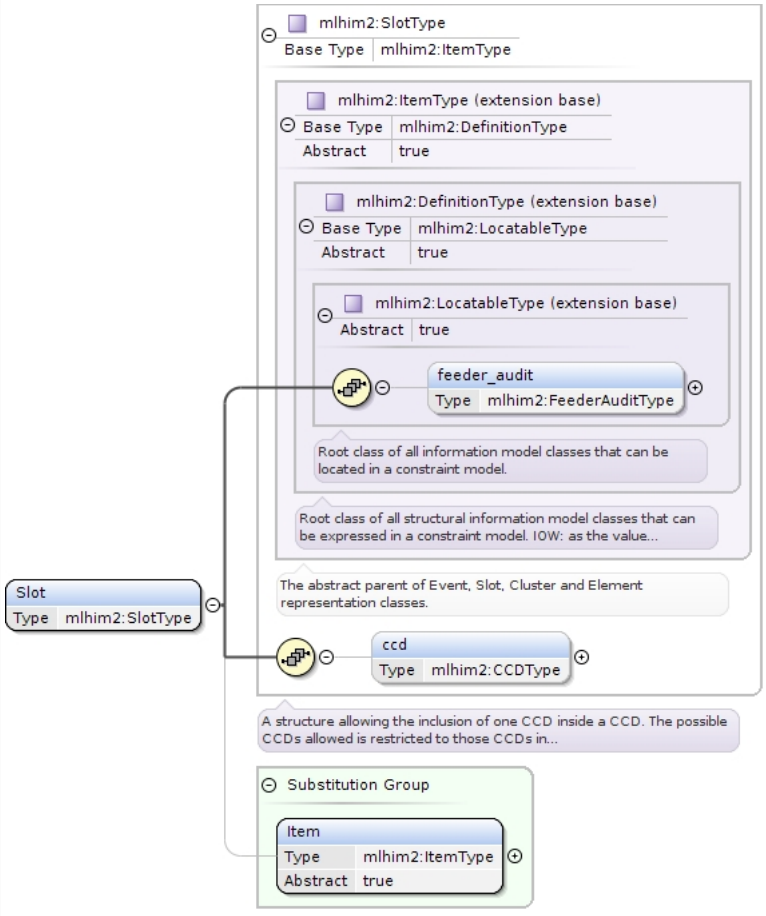
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ItemType
Type hierarchy	• mlhim2:LocatableType

	• mlhim2:DefinitionType • mlhim2:ItemType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:Slot • mlhim2:Cluster • mlhim2:Element
Substitution Group Affiliation	• mlhim2:Definition
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit

Instance	`<mlhim2:Item xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`</mlhim2:Item>`

Source	`<xs:element name="Item" abstract="true" substitutionGroup="mlhim2:Definition"` ` type="mlhim2:ItemType"/>`

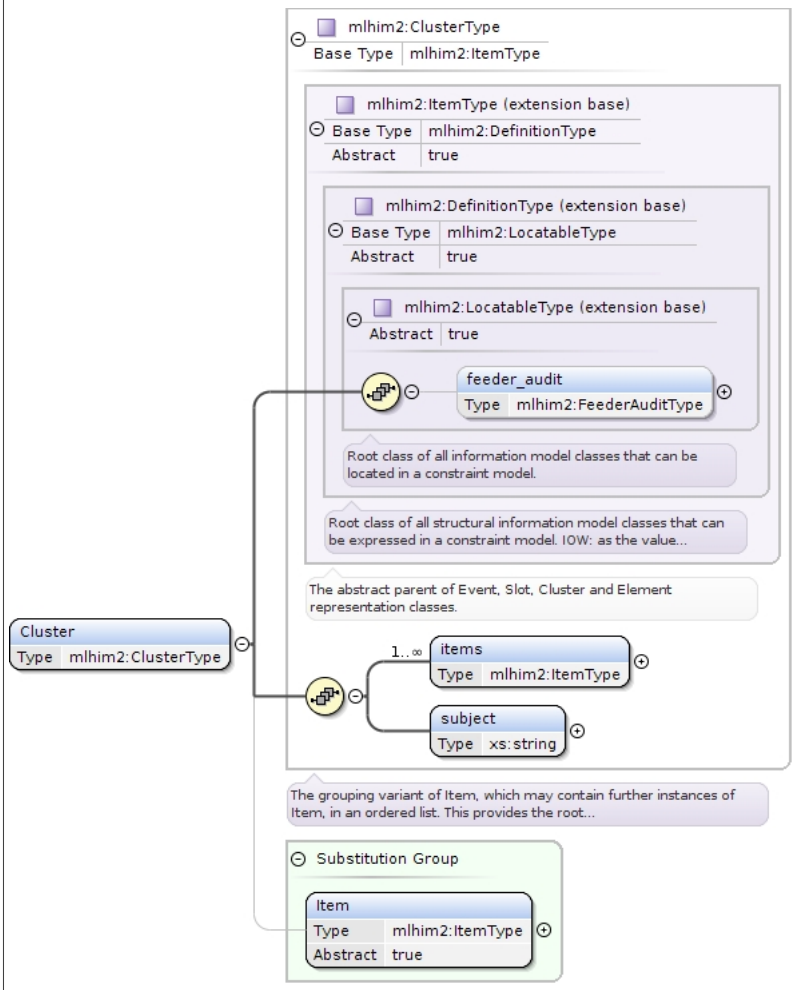
Element `mlhim2:Slot`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:SlotType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType
	  • mlhim2:SlotType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:ccd{0,1}
Children	mlhim2:ccd, mlhim2:feeder_audit
Instance	<mlhim2:Slot xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:ccd>{0,1}</mlhim2:ccd> </mlhim2:Slot>
Source	<xs:element name="Slot" substitutionGroup="mlhim2:Item" type="mlhim2:SlotType"/>

Element mlhim2:Cluster

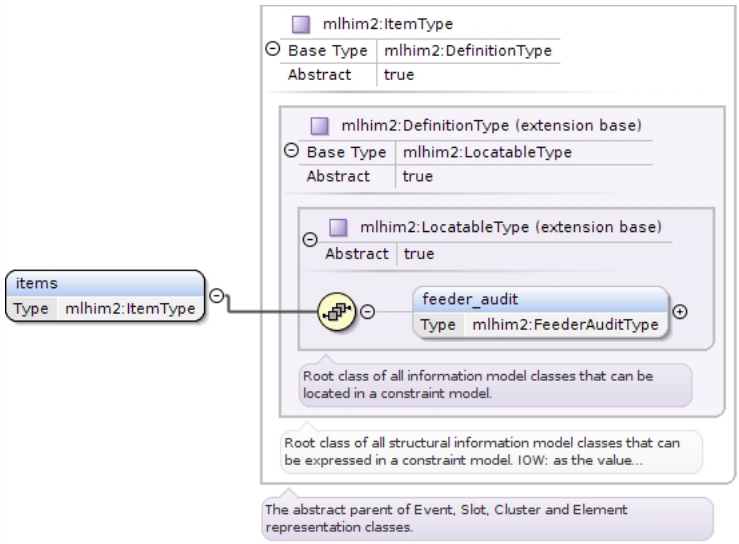
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ClusterType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType
	  • mlhim2:ClusterType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:items+ , mlhim2:subject

Children	mlhim2:feeder_audit, mlhim2:items, mlhim2:subject
Instance	<mlhim2:Cluster xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:items>{1,unbounded}</mlhim2:items> <mlhim2:subject>{1,1}</mlhim2:subject> </mlhim2:Cluster>
Source	<xs:element name="Cluster" substitutionGroup="mlhim2:Item" type="mlhim2:ClusterType"/>

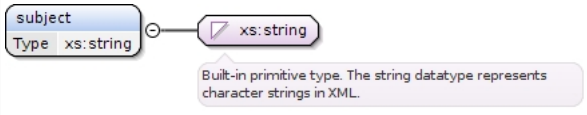
Element mlhim2:ClusterType / mlhim2:items

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ItemType

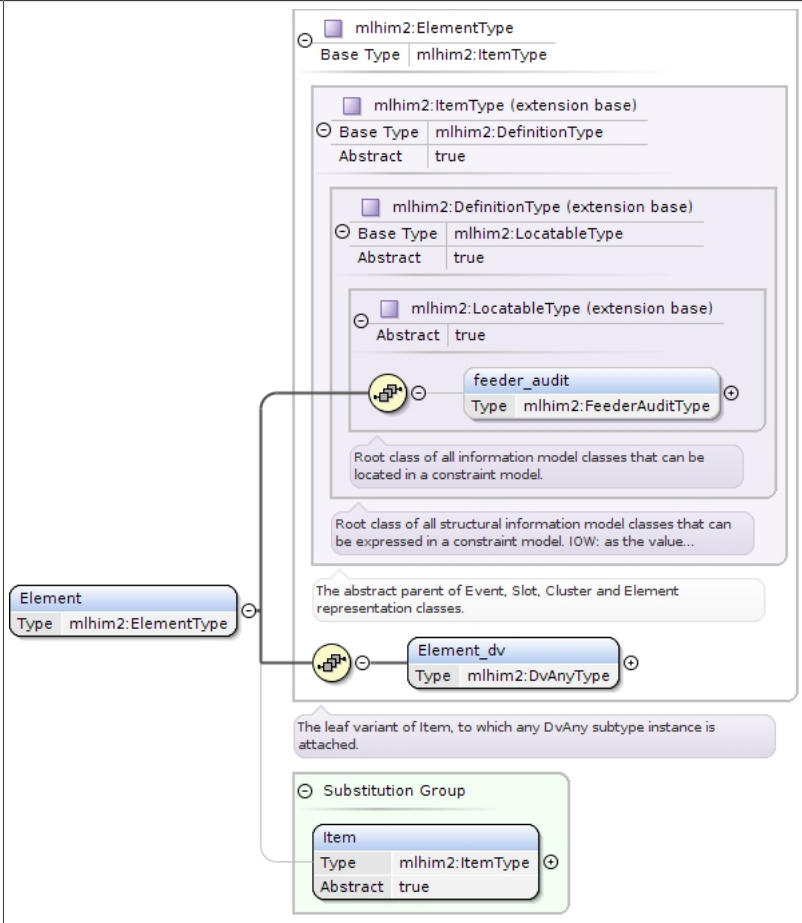
Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType

Properties	content: complex minOccurs: 1 maxOccurs: unbounded
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<mlhim2:items xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:items>
Source	<xs:element maxOccurs="unbounded" minOccurs="1" name="items" type="mlhim2:ItemType"/>

Element mlhim2:ClusterType / mlhim2:subject

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="1" name="subject" type="xs:string"/>

Element `mlhim2:Element`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ElementType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType
	  • mlhim2:ElementType

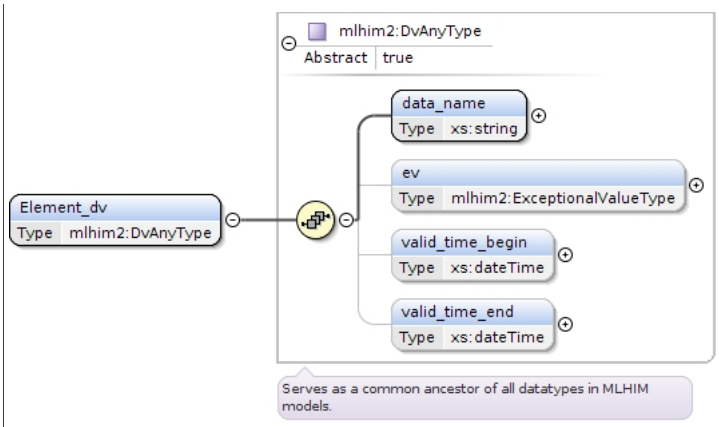
Properties	content: complex
Substitution Group Affiliation	• mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:Element_dv
Children	mlhim2:Element_dv, mlhim2:feeder_audit

Instance	`<mlhim2:Element xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:Element_dv>{1,1}</mlhim2:Element_dv>`
	`</mlhim2:Element>`

Source	`<xs:element name="Element" substitutionGroup="mlhim2:Item" type="mlhim2:ElementType"/>`

Element `mlhim2:ElementType / mlhim2:Element_dv`

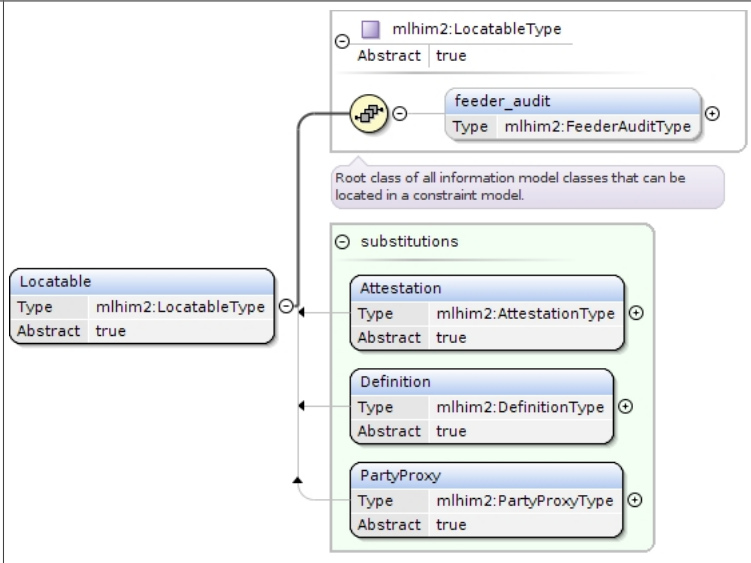
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvAnyType
Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:Element_dv xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`</mlhim2:Element_dv>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="Element_dv" type="mlhim2:DvAnyType"/>`

Element `mlhim2:Locatable`

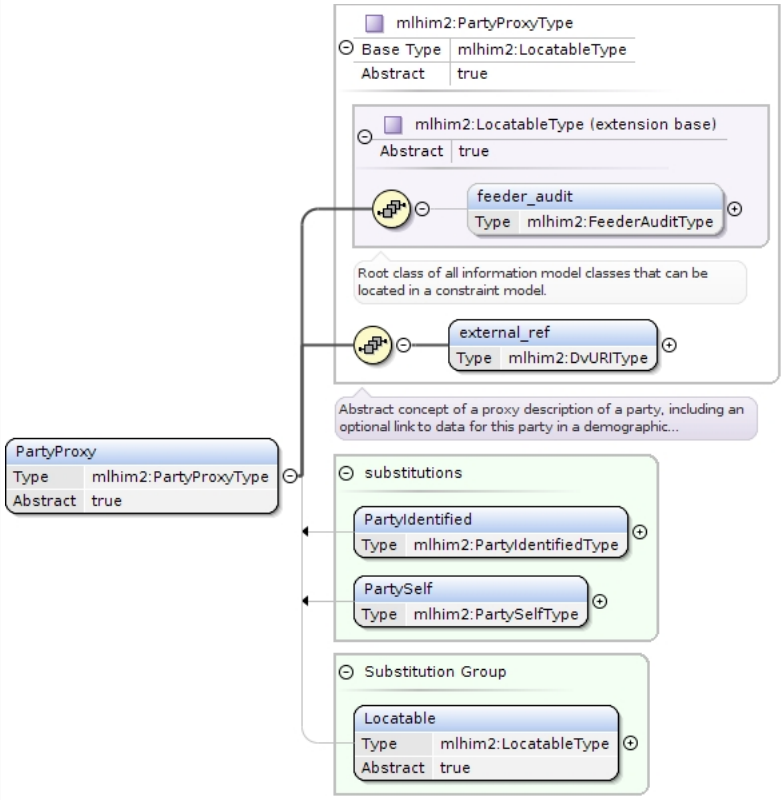
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:LocatableType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:CareEntry • mlhim2:AdminEntry • mlhim2:DemographicEntry • mlhim2:Slot

	• mlhim2:Cluster • mlhim2:Element • mlhim2:PartyIdentified • mlhim2:PartySelf
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit

Instance	`<mlhim2:Locatable xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`</mlhim2:Locatable>`

Source	`<xs:element abstract="true" name="Locatable" type="mlhim2:LocatableType"/>`

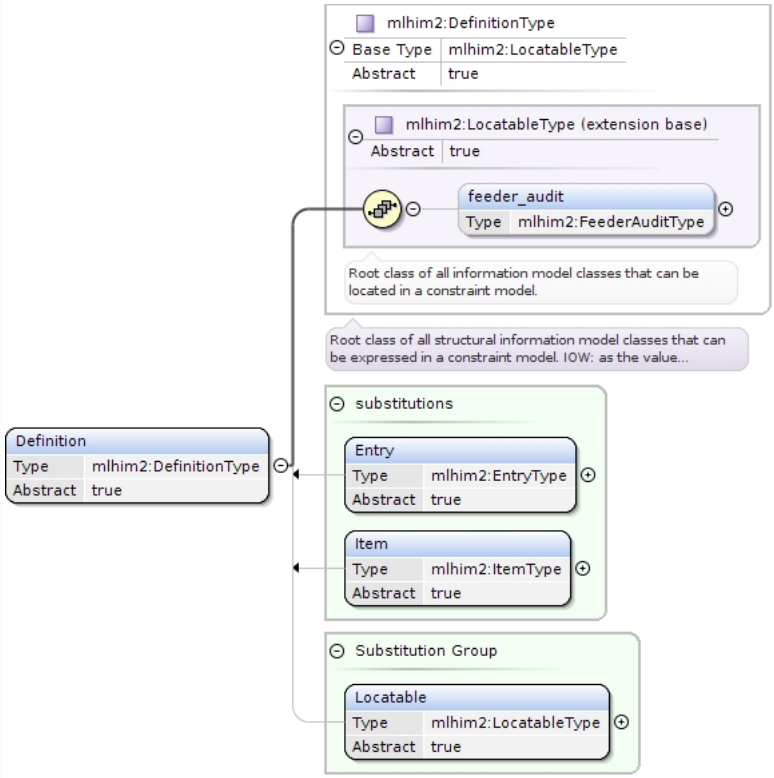
Element `mlhim2:PartyProxy`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	content: `complex` abstract: `true`
Substitution Group	• mlhim2:PartyIdentified • mlhim2:PartySelf
Substitution Group Affiliation	• mlhim2:Locatable
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:PartyProxy xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:PartyProxy>`

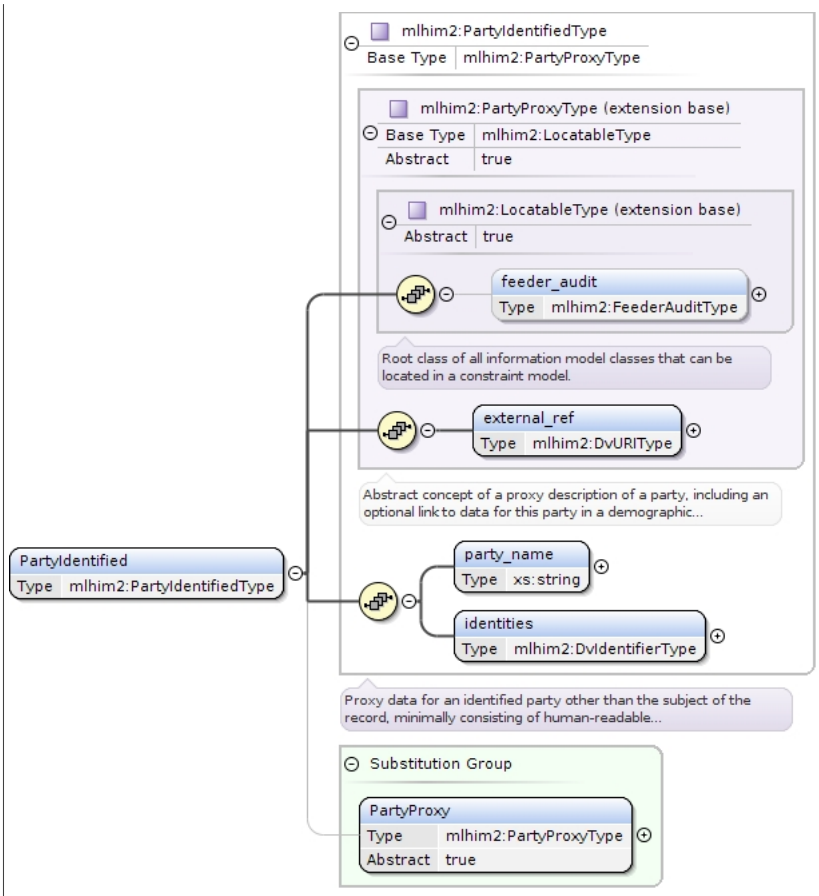
Source	<xs:element abstract="true" name="PartyProxy" substitutionGroup="mlhim2:Locatable" type="mlhim2:PartyProxyType"/>

Element mlhim2:Definition

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DefinitionType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:CareEntry • mlhim2:AdminEntry • mlhim2:DemographicEntry • mlhim2:Slot • mlhim2:Cluster • mlhim2:Element
Substitution Group Affiliation	• mlhim2:Locatable
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<mlhim2:Definition xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:Definition>
Source	<xs:element abstract="true" name="Definition" substitutionGroup="mlhim2:Locatable" type="mlhim2:DefinitionType"/>

Element mlhim2:PartyIdentified

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:PartyIdentifiedType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:PartyProxyType
	  • mlhim2:PartyIdentifiedType

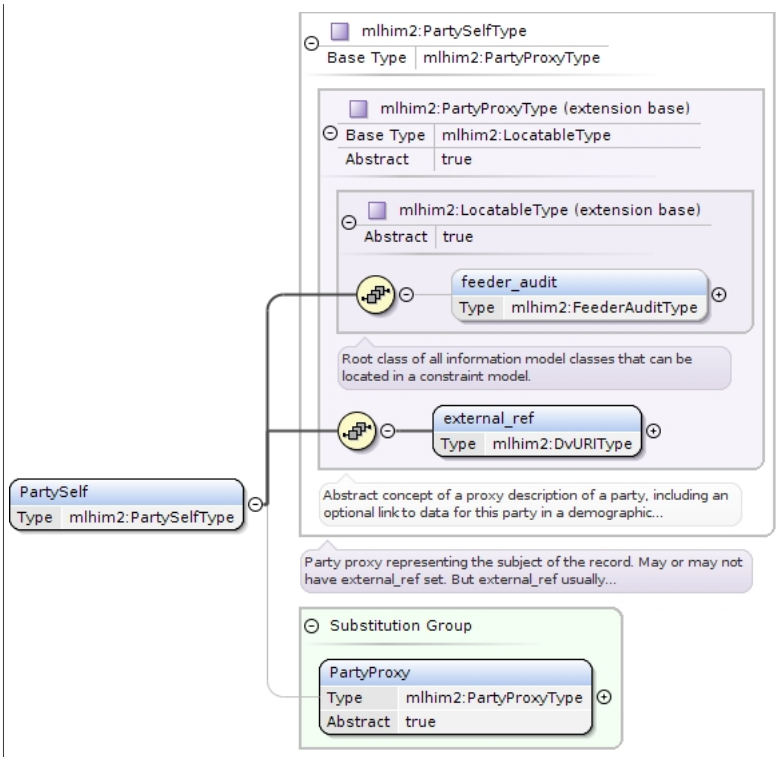
Properties	content: complex
Substitution Group Affiliation	• mlhim2:PartyProxy
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref , mlhim2:party_name , mlhim2:identities
Children	mlhim2:external_ref, mlhim2:feeder_audit, mlhim2:identities, mlhim2:party_name

Instance	`<mlhim2:PartyIdentified xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`  <mlhim2:party_name>{1,1}</mlhim2:party_name>`
	`  <mlhim2:identities>{1,1}</mlhim2:identities>`
	`</mlhim2:PartyIdentified>`

Source	`<xs:element name="PartyIdentified" substitutionGroup="mlhim2:PartyProxy"` `  type="mlhim2:PartyIdentifiedType"/>`

Element `mlhim2:PartySelf`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

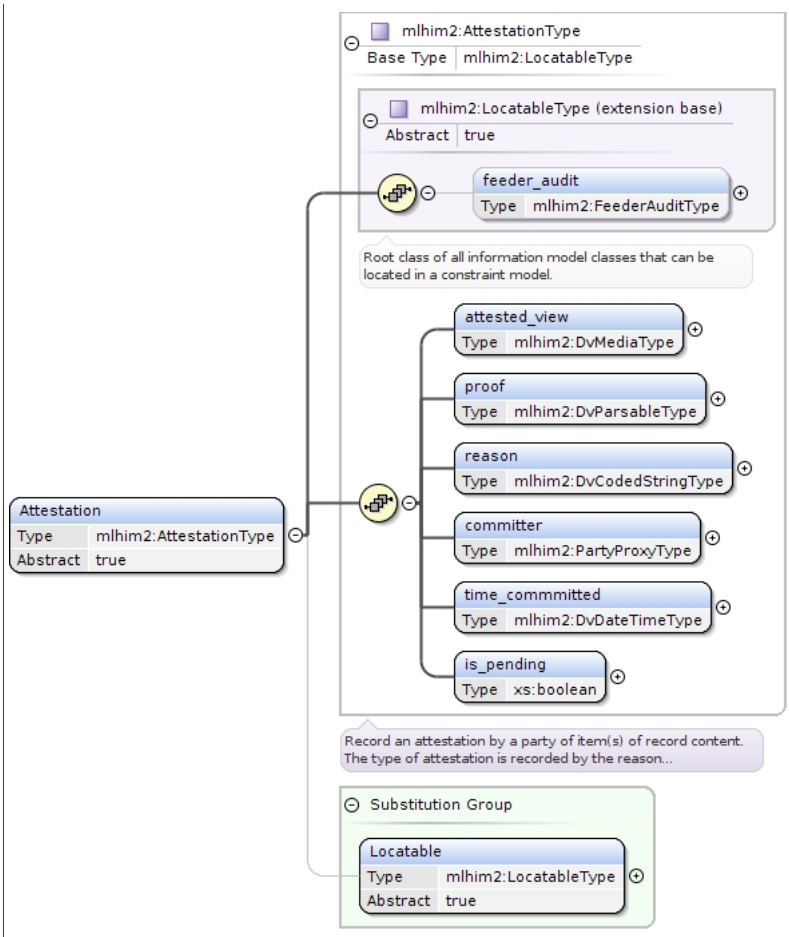
Diagram	
Type	mlhim2:PartySelfType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType • mlhim2:PartySelfType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:PartyProxy
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Instance	`<mlhim2:PartySelf xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:external_ref>{1,1}</mlhim2:external_ref>`
	`</mlhim2:PartySelf>`

Source	`<xs:element name="PartySelf" substitutionGroup="mlhim2:PartyProxy" type="mlhim2:PartySelfType"/>`

Element `mlhim2:Attestation`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

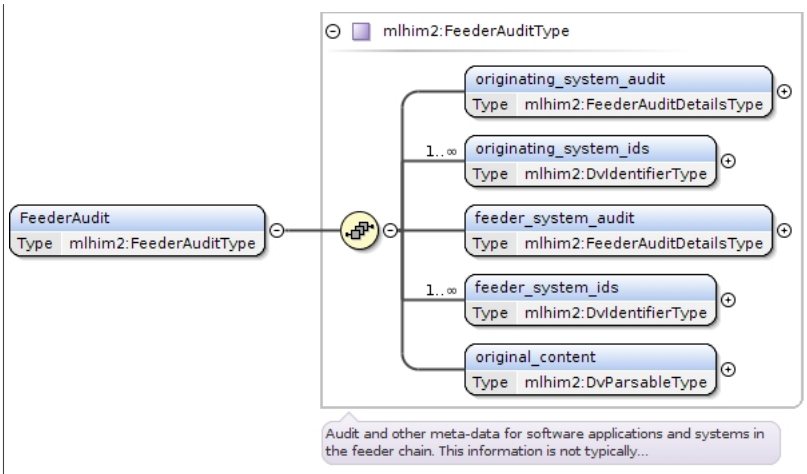
Diagram	
Type	mlhim2:AttestationType
Type hierarchy	• mlhim2:LocatableType • mlhim2:AttestationType
Properties	content: complex abstract: true
Substitution Group Affiliation	• mlhim2:Locatable
Model	mlhim2:feeder_audit{0,1} , mlhim2:attested_view , mlhim2:proof , mlhim2:reason , mlhim2:committer , mlhim2:time_commmitted , mlhim2:is_pending
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_commmitted

Instance	`<mlhim2:Attestation xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit>`
	`  <mlhim2:attested_view>{1,1}</mlhim2:attested_view>`
	`  <mlhim2:proof>{1,1}</mlhim2:proof>`
	`  <mlhim2:reason>{1,1}</mlhim2:reason>`
	`  <mlhim2:committer>{1,1}</mlhim2:committer>`
	`  <mlhim2:time_commmitted>{1,1}</mlhim2:time_commmitted>`
	`  <mlhim2:is_pending>{1,1}</mlhim2:is_pending>`
	`</mlhim2:Attestation>`

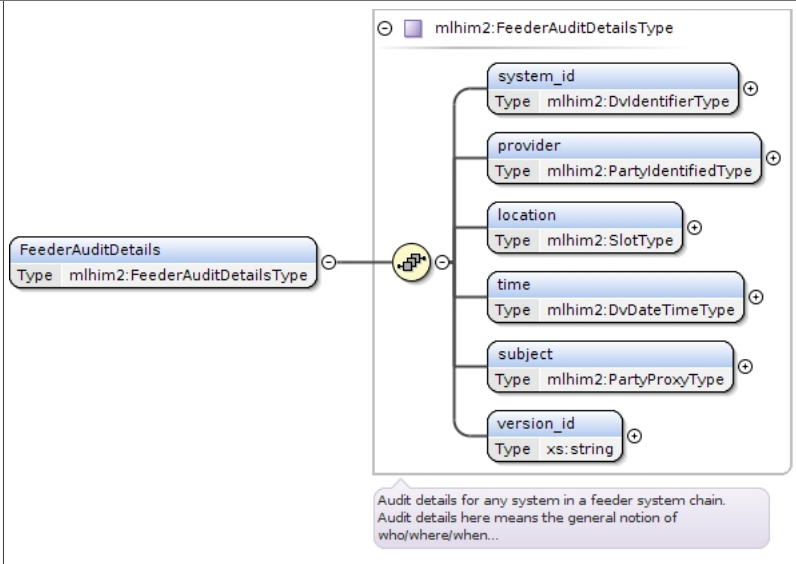
Source	`<xs:element abstract="true" name="Attestation" substitutionGroup="mlhim2:Locatable" type="mlhim2:AttestationType"/>`

Element `mlhim2:FeederAudit`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

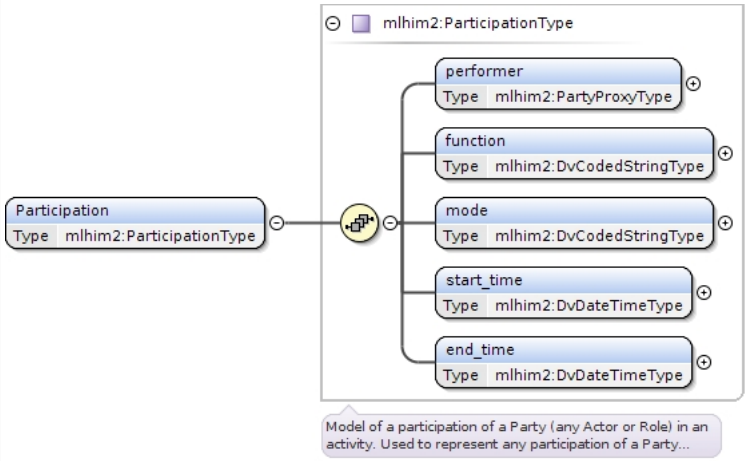
Diagram	
Type	mlhim2:FeederAuditType
Properties	content: complex
Model	mlhim2:originating_system_audit , mlhim2:originating_system_ids+ , mlhim2:feeder_system_audit , mlhim2:feeder_system_ids+ , mlhim2:original_content
Children	mlhim2:feeder_system_audit, mlhim2:feeder_system_ids, mlhim2:original_content, mlhim2:originating_system_audit, mlhim2:originating_system_ids
Instance	<mlhim2:FeederAudit xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:originating_system_audit>{1,1}</mlhim2:originating_system_audit> <mlhim2:originating_system_ids>{1,unbounded}</mlhim2:originating_system_ids> <mlhim2:feeder_system_audit>{1,1}</mlhim2:feeder_system_audit> <mlhim2:feeder_system_ids>{1,unbounded}</mlhim2:feeder_system_ids> <mlhim2:original_content>{1,1}</mlhim2:original_content> </mlhim2:FeederAudit>
Source	<xs:element name="FeederAudit" type="mlhim2:FeederAuditType"/>

Element `mlhim2:FeederAuditDetails`

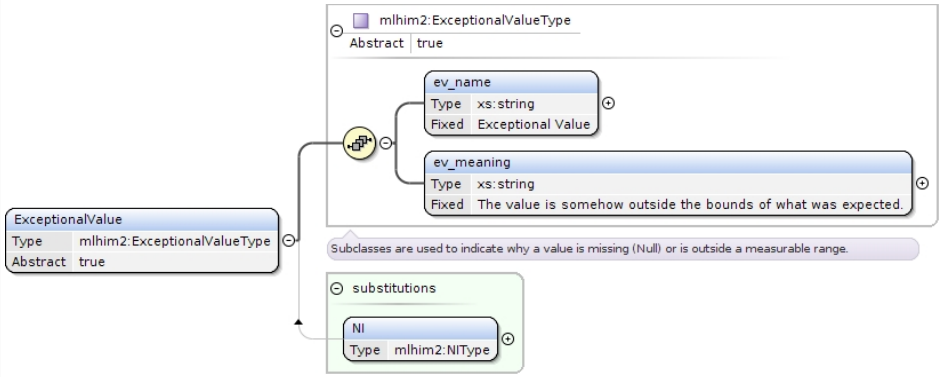
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:FeederAuditDetailsType
Properties	content: complex
Model	mlhim2:system_id , mlhim2:provider , mlhim2:location , mlhim2:time , mlhim2:subject , mlhim2:version_id
Children	mlhim2:location, mlhim2:provider, mlhim2:subject, mlhim2:system_id, mlhim2:time, mlhim2:version_id
Instance	<mlhim2:FeederAuditDetails xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:system_id>{1,1}</mlhim2:system_id> <mlhim2:provider>{1,1}</mlhim2:provider> <mlhim2:location>{1,1}</mlhim2:location> <mlhim2:time>{1,1}</mlhim2:time>

	<mlhim2:subject>{1,1}</mlhim2:subject> <mlhim2:version_id>{1,1}</mlhim2:version_id> </mlhim2:FeederAuditDetails>
Source	<xs:element name="FeederAuditDetails" type="mlhim2:FeederAuditDetailsType"/>

Element mlhim2:Participation

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ParticipationType
Properties	content: complex
Model	mlhim2:performer , mlhim2:function , mlhim2:mode , mlhim2:start_time , mlhim2:end_time
Children	mlhim2:end_time, mlhim2:function, mlhim2:mode, mlhim2:performer, mlhim2:start_time
Instance	<mlhim2:Participation xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:performer>{1,1}</mlhim2:performer> <mlhim2:function>{1,1}</mlhim2:function> <mlhim2:mode>{1,1}</mlhim2:mode> <mlhim2:start_time>{1,1}</mlhim2:start_time> <mlhim2:end_time>{1,1}</mlhim2:end_time> </mlhim2:Participation>
Source	<xs:element name="Participation" type="mlhim2:ParticipationType"/>

Element mlhim2:ExceptionalValue

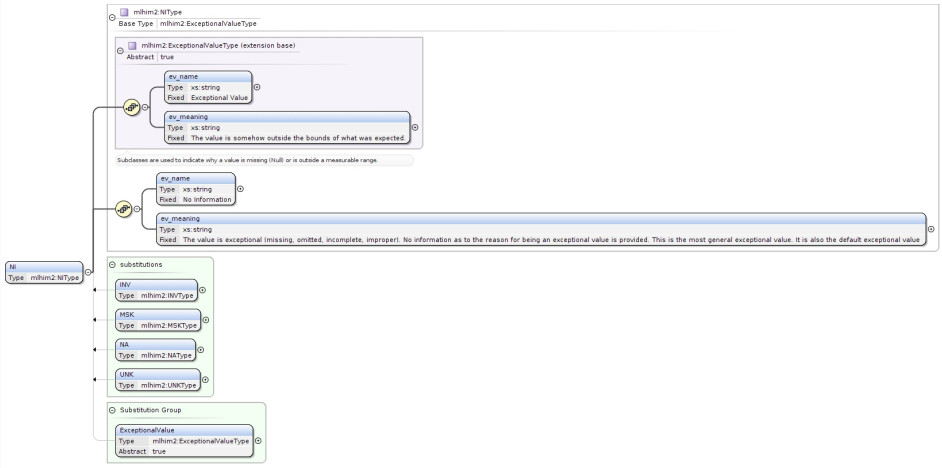
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ExceptionalValueType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:NI • mlhim2:NA • mlhim2:INV • mlhim2:UNK

	• mlhim2:MSK • mlhim2:UNC • mlhim2:DER • mlhim2:OTH • mlhim2:PINF • mlhim2:NINF • mlhim2:TRC • mlhim2:QS • mlhim2:ASKU • mlhim2:ASKR • mlhim2:NASK • mlhim2:NAV
Model	mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Instance	`<mlhim2:ExceptionalValue xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:ExceptionalValue>`

Source	`<xs:element abstract="true" name="ExceptionalValue" type="mlhim2:ExceptionalValueType"/>`

Element `mlhim2:NI`

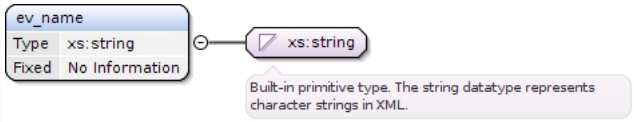
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:NIType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType
Properties	content: `complex`
Substitution Group	• mlhim2:NA • mlhim2:INV • mlhim2:UNK • mlhim2:MSK • mlhim2:UNC • mlhim2:DER • mlhim2:OTH

	• mlhim2:PINF • mlhim2:NINF • mlhim2:TRC • mlhim2:QS • mlhim2:ASKU • mlhim2:ASKR • mlhim2:NASK • mlhim2:NAV
Substitution Group Affiliation	• mlhim2:ExceptionalValue
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Instance	`<mlhim2:NI xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:NI>`

Source	`<xs:element name="NI" substitutionGroup="mlhim2:ExceptionalValue" type="mlhim2:NIType"/>`

Element `mlhim2:NIType / mlhim2:ev_name`

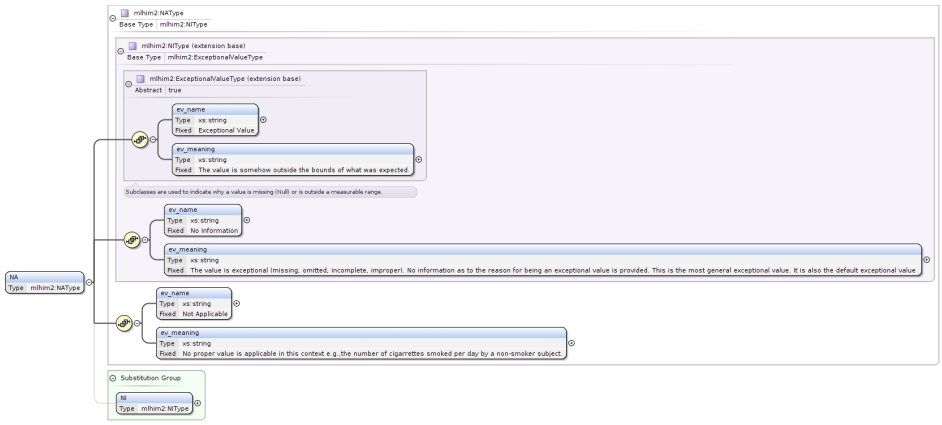
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: No Information
Source	`<xs:element fixed="No Information" name="ev_name" type="xs:string"/>`

Element `mlhim2:NIType / mlhim2:ev_meaning`

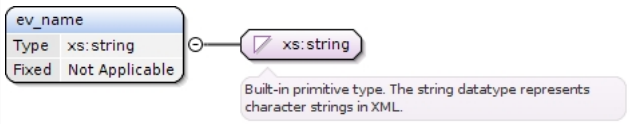
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: The value is exceptional (missing, omitted, incomplete, improper). No information as to the reason for being an exceptional value is provided. This is the most general exceptional value. It is also the default exceptional value
Source	`<xs:element fixed="The value is exceptional (missing, omitted, incomplete, improper). No information as to the reason for being an exceptional value is provided. This is the most general exceptional value. It is also the default exceptional value " name="ev_meaning" type="xs:string"/>`

Element `mlhim2:NA`

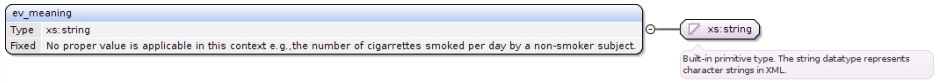
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:NAType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:NAType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:NI
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:NA xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:NA>
Source	<xs:element name="NA" substitutionGroup="mlhim2:NI" type="mlhim2:NAType"/>

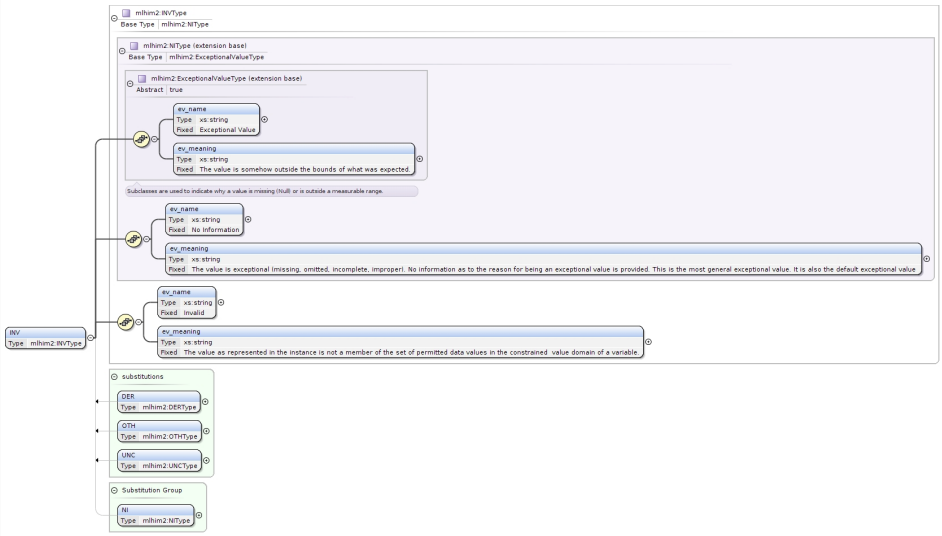
Element mlhim2:NAType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Not Applicable
Source	<xs:element fixed="Not Applicable" name="ev_name" type="xs:string"/>

Element mlhim2:NAType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: No proper value is applicable in this context e.g.,the number of cigarrettes smoked per day by a non-smoker subject.
Source	<xs:element fixed="No proper value is applicable in this context e.g.,the number of cigarrettes smoked per day by a non-smoker subject." name="ev_meaning" type="xs:string"/>

Element `mlhim2:INV`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:INVType

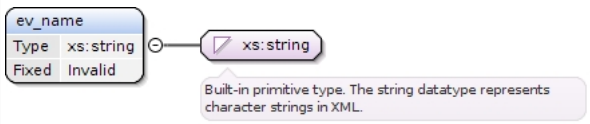
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType

Properties	content: `complex`
Substitution Group	• mlhim2:UNC • mlhim2:DER • mlhim2:OTH • mlhim2:PINF • mlhim2:NINF
Substitution Group Affiliation	• mlhim2:NI
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Instance	`<mlhim2:INV xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:INV>`

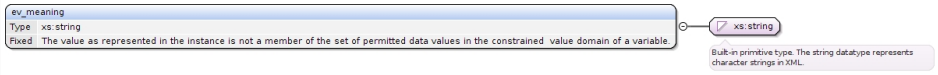
Source	`<xs:element name="INV" substitutionGroup="mlhim2:NI" type="mlhim2:INVType"/>`

Element `mlhim2:INVType / mlhim2:ev_name`

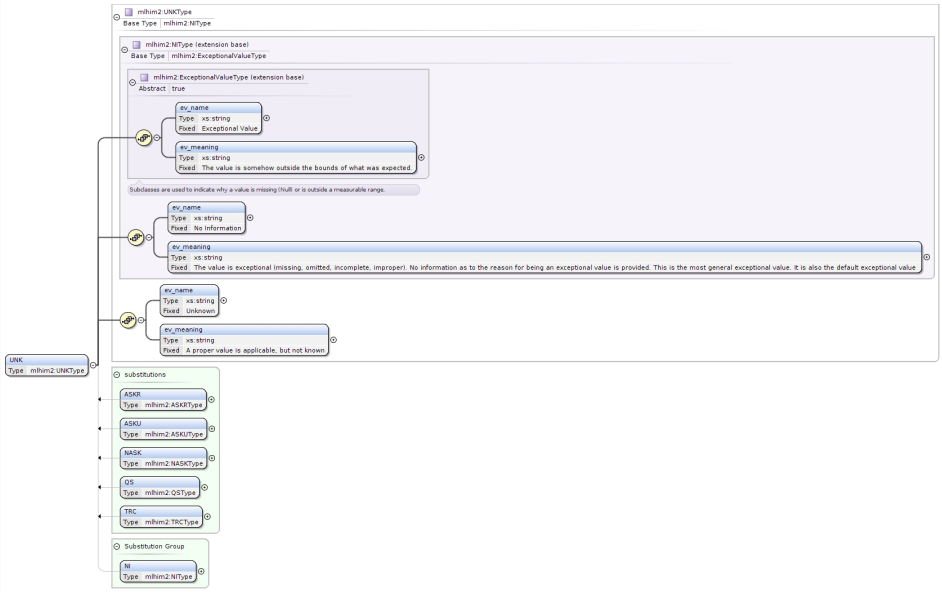
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Invalid`

Source	<xs:element fixed="Invalid" name="ev_name" type="xs:string"/>

Element mlhim2:INVType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: The value as represented in the instance is not a member of the set of permitted data values in the constrained value domain of a variable.
Source	<xs:element fixed="The value as represented in the instance is not a member of the set of permitted data values in the constrained value domain of a variable." name="ev_meaning" type="xs:string"/>

Element mlhim2:UNK

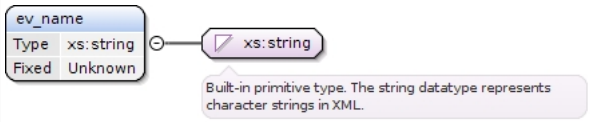
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:UNKType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:UNKType

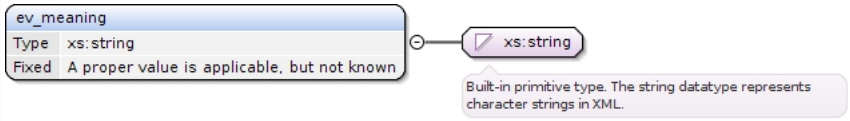
Properties	content: complex
Substitution Group	• mlhim2:TRC • mlhim2:QS • mlhim2:ASKU • mlhim2:ASKR • mlhim2:NASK • mlhim2:NAV
Substitution Group Affiliation	• mlhim2:NI
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Instance	<mlhim2:UNK xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:UNK>
Source	<xs:element name="UNK" substitutionGroup="mlhim2:NI" type="mlhim2:UNKType"/>

Element mlhim2:UNKType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Unknown
Source	<xs:element fixed="Unknown" name="ev_name" type="xs:string"/>

Element mlhim2:UNKType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: A proper value is applicable, but not known
Source	<xs:element fixed="A proper value is applicable, but not known" name="ev_meaning" type="xs:string"/>

Element mlhim2:MSK

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:MSKType

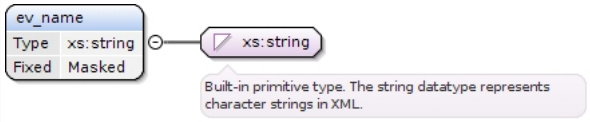
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:MSKType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:NI
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:MSK xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name>

```
  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>
  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>
  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>
  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>
  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>
</mlhim2:MSK>
```

Source	`<xs:element name="MSK" substitutionGroup="mlhim2:NI" type="mlhim2:MSKType"/>`

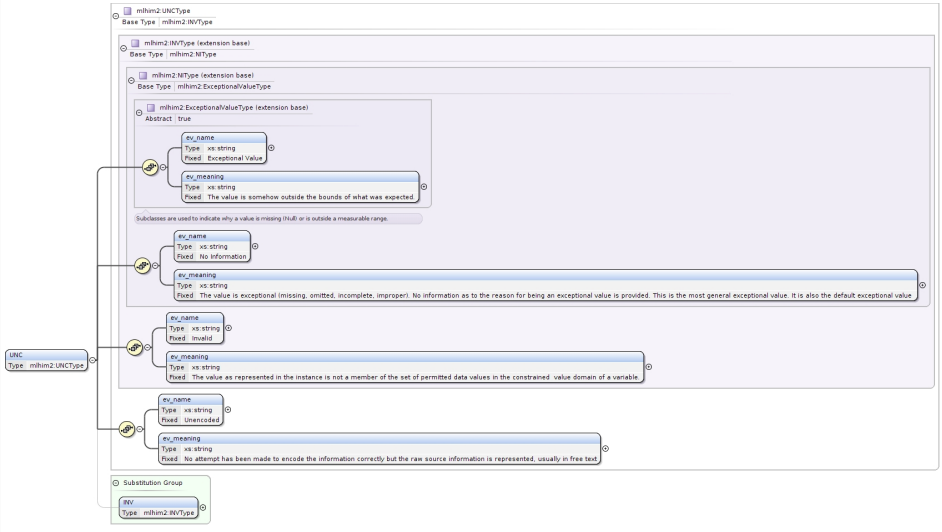
Element `mlhim2:MSKType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Masked
Source	`<xs:element fixed="Masked" name="ev_name" type="xs:string"/>`

Element `mlhim2:MSKType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: There is information on this item available but it has not been provided by the sender due to security, privacy or other reasons. There may be an alternate mechanism for gaining access to this information. Warning: Using this exceptional value does provide information that may be a breach of confidentiality, even though no detail data is provided. Its primary purpose is for those circumstances where it is necessary to inform the receiver that the information does exist without providing any detail
Source	`<xs:element fixed="There is information on this item available but it has not been provided by the sender due to security, privacy or other reasons. There may be an alternate mechanism for gaining access to this information. Warning: Using this exceptional value does provide information that may be a breach of confidentiality, even though no detail data is provided. Its primary purpose is for those circumstances where it is necessary to inform the receiver that the information does exist without providing any detail " name="ev_meaning" type="xs:string"/>`

Element `mlhim2:UNC`

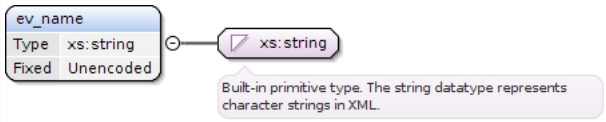
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

Type	mlhim2:UNCType

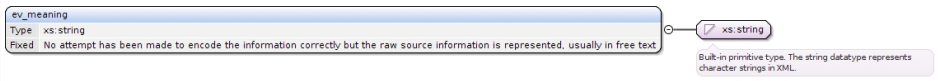
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType
	  • mlhim2:UNCType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:INV
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:UNC xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:UNC>
Source	<xs:element name="UNC" substitutionGroup="mlhim2:INV" type="mlhim2:UNCType"/>

Element mlhim2:UNCType / mlhim2:ev_name

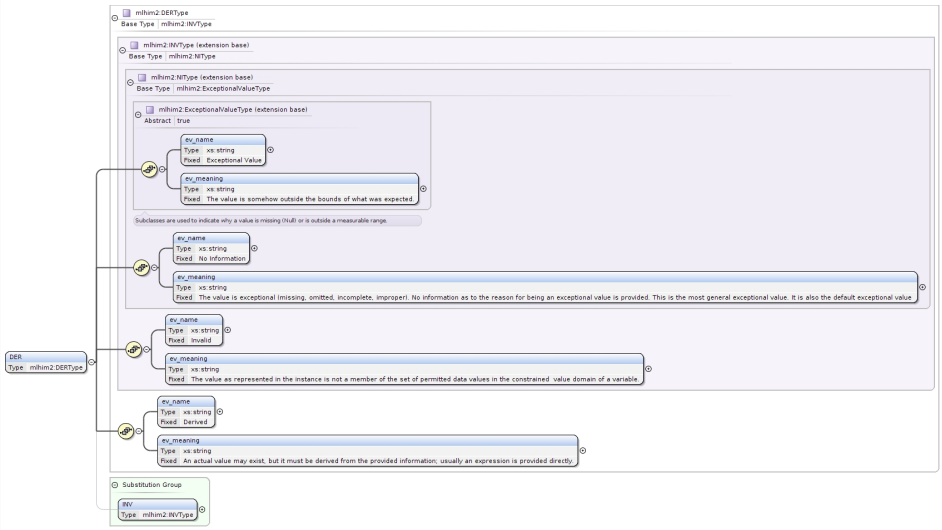
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Unencoded
Source	<xs:element fixed="Unencoded" name="ev_name" type="xs:string"/>

Element mlhim2:UNCType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: No attempt has been made to encode the information correctly but the raw source information is represented, usually in free text
Source	<xs:element fixed="No attempt has been made to encode the information correctly but the raw source information is represented, usually in free text" name="ev_meaning" type="xs:string"/>

Element mlhim2:DER

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DERType

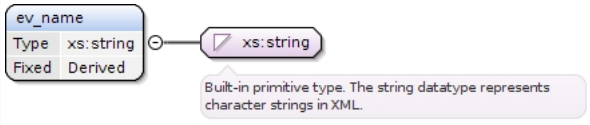
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType
	  • mlhim2:DERType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:INV
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Instance	`<mlhim2:DER xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:DER>`

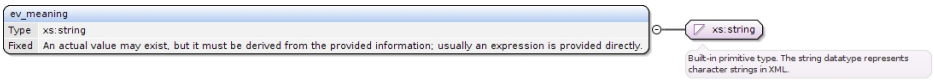
Source	`<xs:element name="DER" substitutionGroup="mlhim2:INV" type="mlhim2:DERType"/>`

Element mlhim2:DERType / mlhim2:ev_name

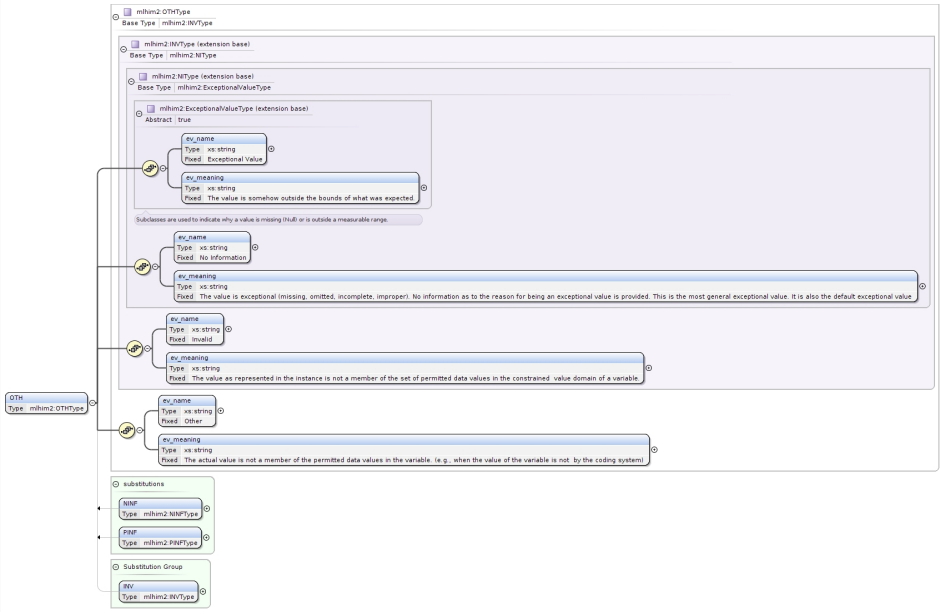
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Derived
Source	`<xs:element fixed="Derived" name="ev_name" type="xs:string"/>`

Element mlhim2:DERType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:string
Properties	content: simple fixed: An actual value may exist, but it must be derived from the provided information; usually an expression is provided directly.
Source	`<xs:element fixed="An actual value may exist, but it must be derived from the provided information; usually an expression is provided directly." name="ev_meaning" type="xs:string"/>`

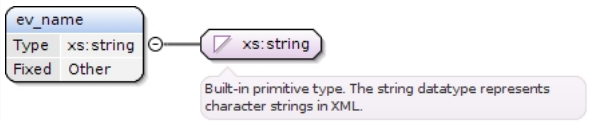
Element `mlhim2:OTH`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:OTHType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:OTHType
Properties	content: complex
Substitution Group	• mlhim2:PINF • mlhim2:NINF
Substitution Group Affiliation	• mlhim2:INV
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

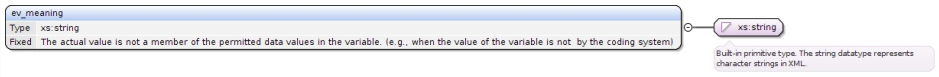
Instance	`<mlhim2:OTH xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:OTH>`

Source	`<xs:element name="OTH" substitutionGroup="mlhim2:INV" type="mlhim2:OTHType"/>`

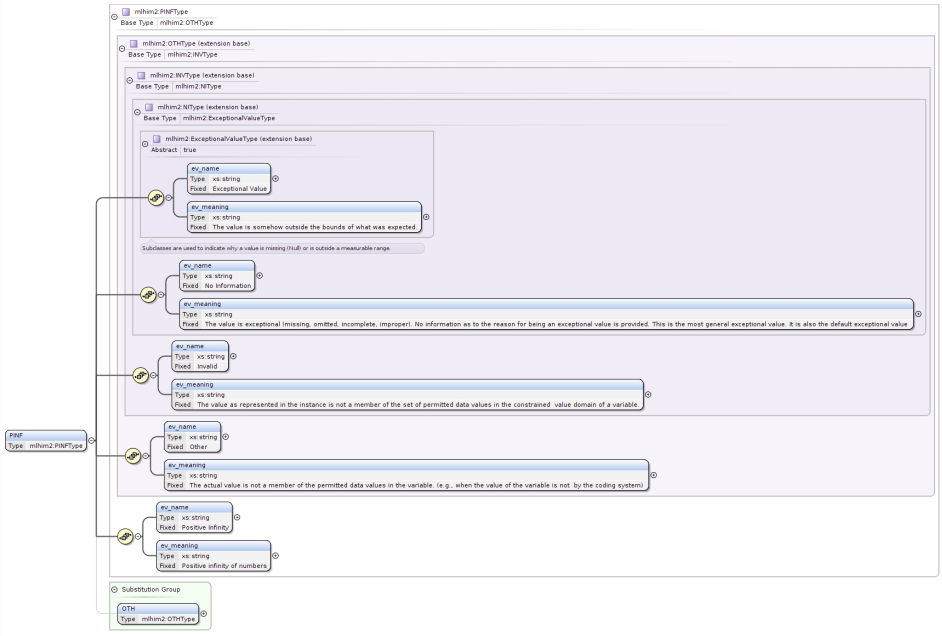
Element `mlhim2:OTHType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Other
Source	`<xs:element fixed="Other" name="ev_name" type="xs:string"/>`

Element `mlhim2:OTHType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: The actual value is not a member of the permitted data values in the variable. (e.g., when the value of the variable is not by the coding system)
Source	`<xs:element fixed="The actual value is not a member of the permitted data values in the variable. (e.g., when the value of the variable is not by the coding system) " name="ev_meaning" type="xs:string"/>`

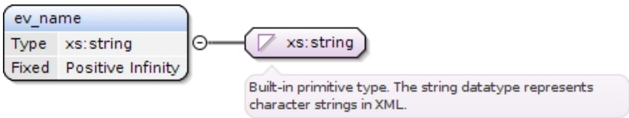
Element `mlhim2:PINF`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PINFType

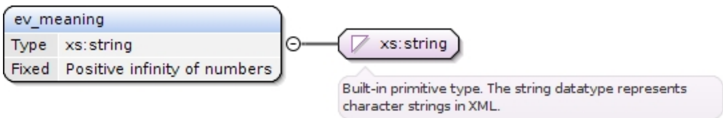
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType
	  • mlhim2:OTHType

	• mlhim2:PINFType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:OTH
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:PINF xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:PINF>
Source	<xs:element name="PINF" substitutionGroup="mlhim2:OTH" type="mlhim2:PINFType"/>

Element mlhim2:PINFType / mlhim2:ev_name

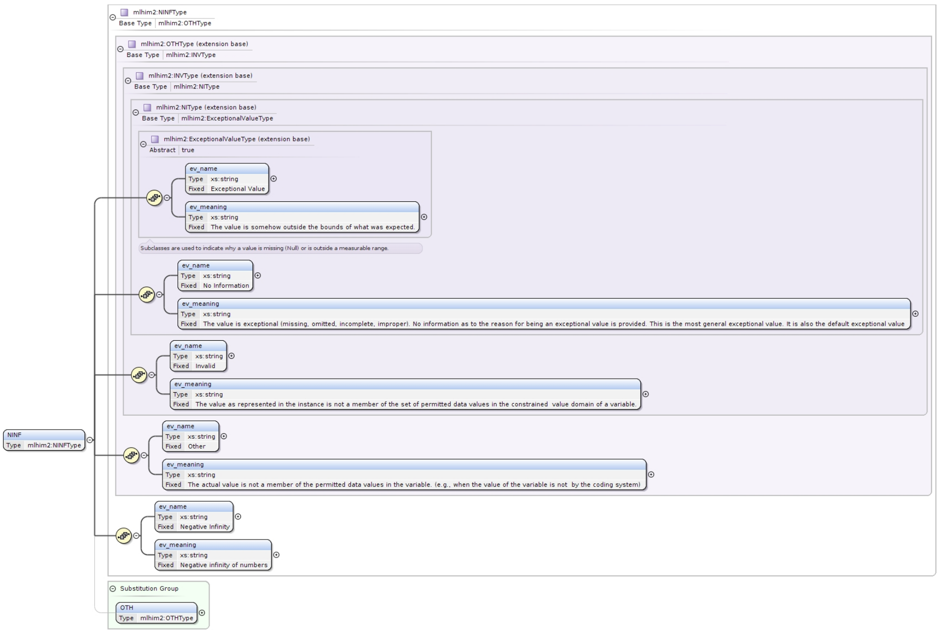
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Positive Infinity
Source	<xs:element fixed="Positive Infinity" name="ev_name" type="xs:string"/>

Element mlhim2:PINFType / mlhim2:ev_meaning

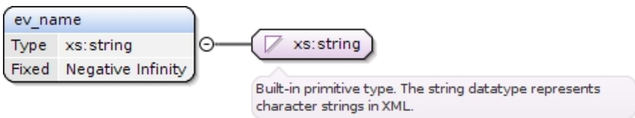
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Positive infinity of numbers
Source	<xs:element fixed="Positive infinity of numbers" name="ev_meaning" type="xs:string"/>

Element mlhim2:NINF

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

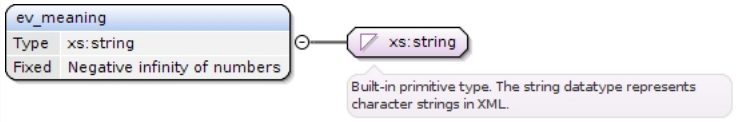
Diagram	
Type	mlhim2:NINFType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:OTHType • mlhim2:NINFType
Properties	content: `complex`
Substitution Group Affiliation	• mlhim2:OTH
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:NINF xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:NINF>
Source	<xs:element name="NINF" substitutionGroup="mlhim2:OTH" type="mlhim2:NINFType"/>

Element `mlhim2:NINFType / mlhim2:ev_name`

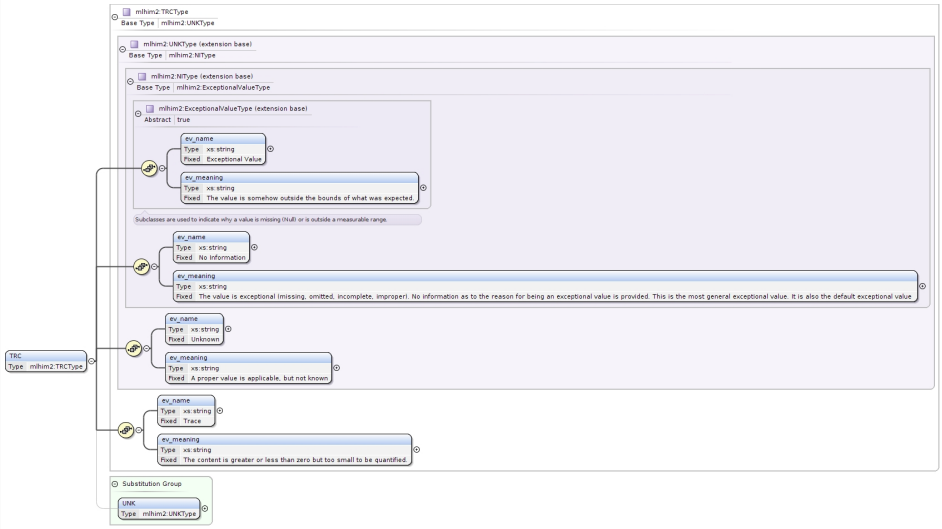
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Negative Infinity`

Source	<xs:element fixed="Negative Infinity" name="ev_name" type="xs:string"/>

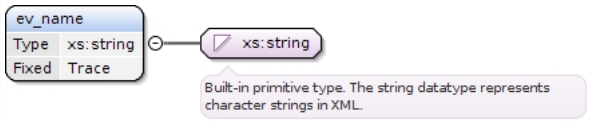
Element mlhim2:NINFType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Negative infinity of numbers
Source	<xs:element fixed="Negative infinity of numbers" name="ev_meaning" type="xs:string"/>

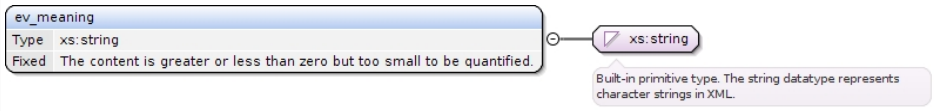
Element mlhim2:TRC

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:TRCType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:TRCType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:UNK
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:TRC xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:TRC>
Source	<xs:element name="TRC" substitutionGroup="mlhim2:UNK" type="mlhim2:TRCType"/>

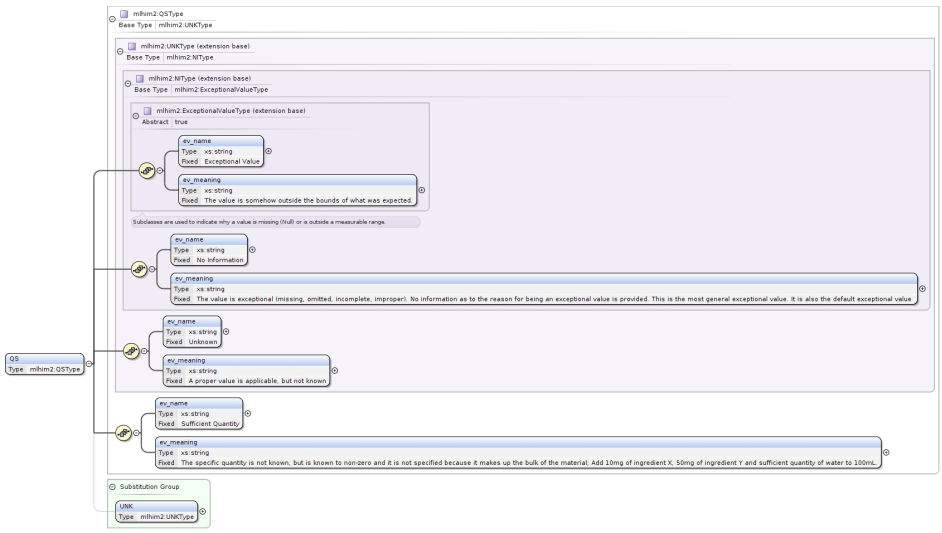
Element `mlhim2:TRCType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Trace`
Source	`<xs:element fixed="Trace" name="ev_name" type="xs:string"/>`

Element `mlhim2:TRCType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `The content is greater or less than zero but too small to be quantified.`
Source	`<xs:element fixed="The content is greater or less than zero but too small to be quantified." name="ev_meaning" type="xs:string"/>`

Element `mlhim2:QS`

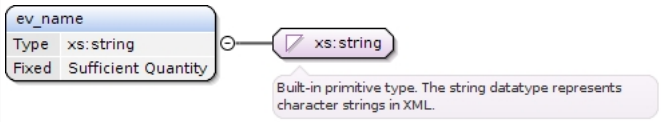
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:QSType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:UNKType
	  • mlhim2:QSType

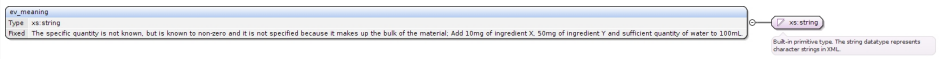
Properties	content: `complex`
Substitution Group Affiliation	• mlhim2:UNK

Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:QS xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:QS>
Source	<xs:element name="QS" substitutionGroup="mlhim2:UNK" type="mlhim2:QSType"/>

Element mlhim2:QSType / mlhim2:ev_name

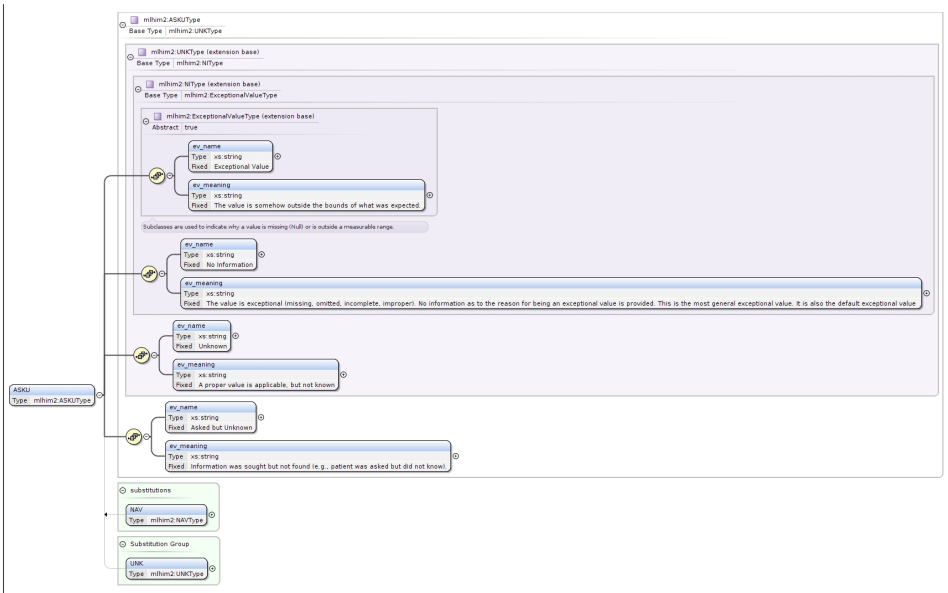
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Sufficient Quantity
Source	<xs:element fixed="Sufficient Quantity" name="ev_name" type="xs:string"/>

Element mlhim2:QSType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: The specific quantity is not known, but is known to non-zero and it is not specified because it makes up the bulk of the material; Add 10mg of ingredient X, 50mg of ingredient Y and sufficient quantity of water to 100mL.
Source	<xs:element fixed="The specific quantity is not known, but is known to non-zero and it is not specified because it makes up the bulk of the material; Add 10mg of ingredient X, 50mg of ingredient Y and sufficient quantity of water to 100mL." name="ev_meaning" type="xs:string"/>

Element mlhim2:ASKU

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:ASKUType

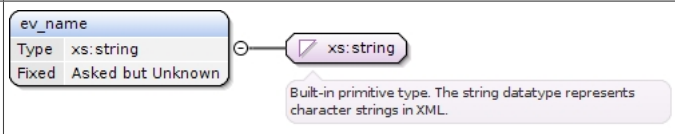
Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:UNKType
	  • mlhim2:ASKUType

Properties	content: complex
Substitution Group	• mlhim2:NAV
Substitution Group Affiliation	• mlhim2:UNK
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

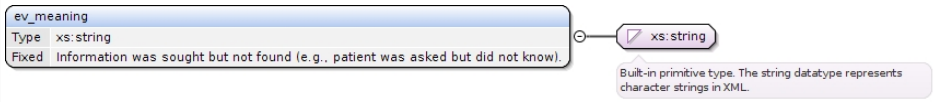
Instance	`<mlhim2:ASKU xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`  <mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`  <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:ASKU>`

Source	`<xs:element name="ASKU" substitutionGroup="mlhim2:UNK" type="mlhim2:ASKUType"/>`

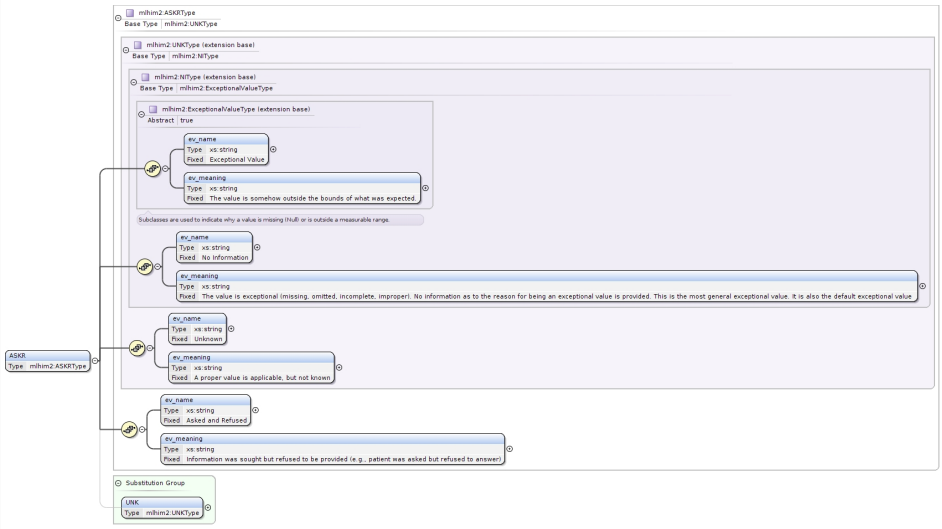
Element `mlhim2:ASKUType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Asked but Unknown
Source	`<xs:element fixed="Asked but Unknown" name="ev_name" type="xs:string"/>`

Element `mlhim2:ASKUType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Information was sought but not found (e.g., patient was asked but did not know).
Source	`<xs:element fixed="Information was sought but not found (e.g., patient was asked but did not know)." name="ev_meaning" type="xs:string"/>`

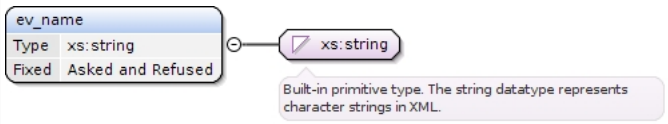
Element `mlhim2:ASKR`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ASKRType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:ASKRType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:UNK
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

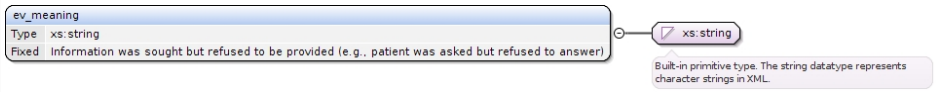
Instance	`<mlhim2:ASKR xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`<mlhim2:ev_name>{1,1}</mlhim2:ev_name>`
	`<mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning>`
	`</mlhim2:ASKR>`

Source	`<xs:element name="ASKR" substitutionGroup="mlhim2:UNK" type="mlhim2:ASKRType"/>`

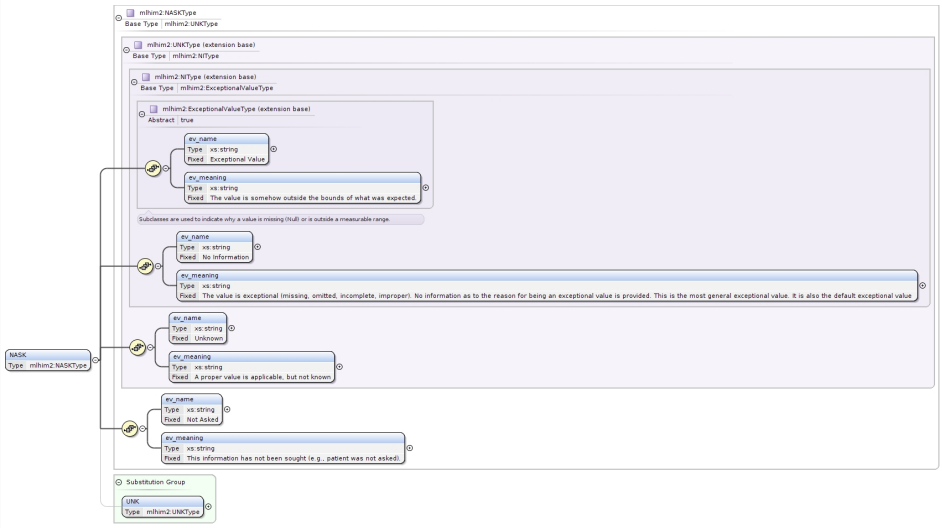
Element `mlhim2:ASKRType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Asked and Refused`
Source	`<xs:element fixed="Asked and Refused" name="ev_name" type="xs:string"/>`

Element `mlhim2:ASKRType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Information was sought but refused to be provided (e.g., patient was asked but refused to answer)`
Source	`<xs:element fixed="Information was sought but refused to be provided (e.g., patient was asked but refused to answer)" name="ev_meaning" type="xs:string"/>`

Element `mlhim2:NASK`

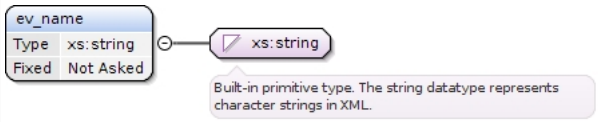
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:NASKType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:UNKType
	  • mlhim2:NASKType

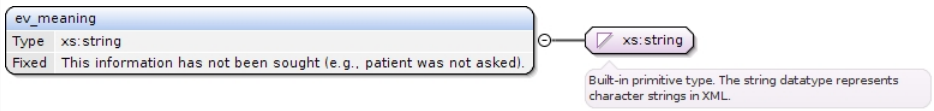
Properties	content: `complex`
Substitution Group Affiliation	• mlhim2:UNK

Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:NASK xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:NASK>
Source	<xs:element name="NASK" substitutionGroup="mlhim2:UNK" type="mlhim2:NASKType"/>

Element mlhim2:NASKType / mlhim2:ev_name

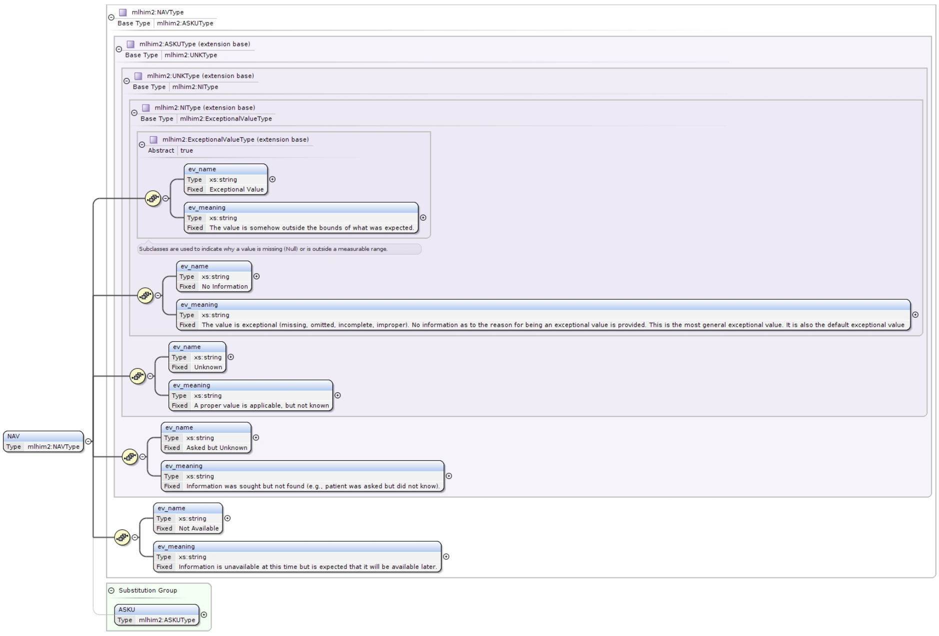
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Not Asked
Source	<xs:element fixed="Not Asked" name="ev_name" type="xs:string"/>

Element mlhim2:NASKType / mlhim2:ev_meaning

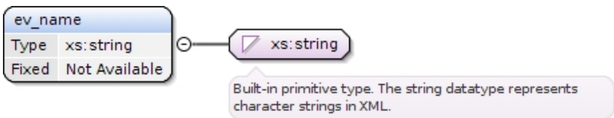
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: This information has not been sought (e.g., patient was not asked).
Source	<xs:element fixed="This information has not been sought (e.g., patient was not asked)." name="ev_meaning" type="xs:string"/>

Element mlhim2:NAV

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

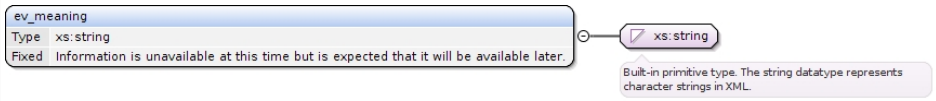
Diagram	
Type	mlhim2:NAVType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:ASKUType • mlhim2:NAVType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:ASKU
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<mlhim2:NAV xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> <mlhim2:ev_name>{1,1}</mlhim2:ev_name> <mlhim2:ev_meaning>{1,1}</mlhim2:ev_meaning> </mlhim2:NAV>
Source	<xs:element name="NAV" substitutionGroup="mlhim2:ASKU" type="mlhim2:NAVType"/>

Element `mlhim2:NAVType / mlhim2:ev_name`

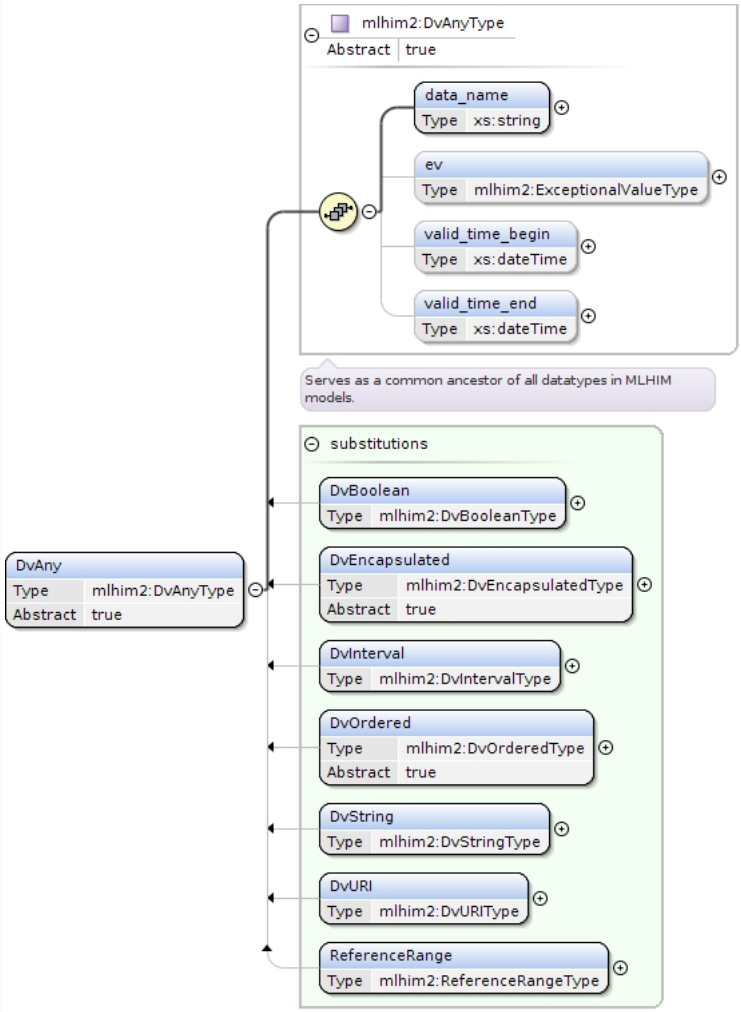
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple fixed: Not Available

Source	`<xs:element fixed="Not Available" name="ev_name" type="xs:string"/>`

Element `mlhim2:NAVType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: `simple` fixed: `Information is unavailable at this time but is expected that it will be available later.`
Source	`<xs:element fixed="Information is unavailable at this time but is expected that it will be available later." name="ev_meaning" type="xs:string"/>`

Element `mlhim2:DvAny`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvAnyType
Properties	content: `complex` abstract: `true`
Substitution Group	• mlhim2:DvBoolean • mlhim2:DvURI

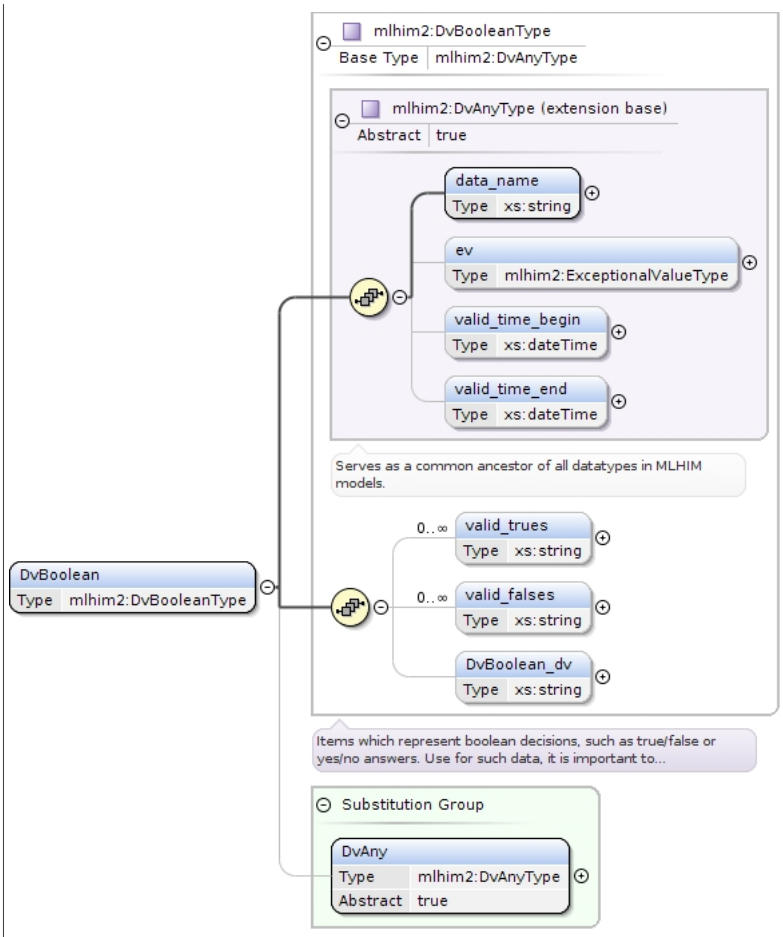
	• mlhim2:ReferenceRange • mlhim2:DvInterval • mlhim2:DvString • mlhim2:DvCodedString • mlhim2:DvIdentifier • mlhim2:DvParsable • mlhim2:DvMedia • mlhim2:DvQuantity • mlhim2:DvRatio • mlhim2:DvProportion • mlhim2:DvCount • mlhim2:DvDateTime • mlhim2:DvDate • mlhim2:DvTime • mlhim2:DvDay • mlhim2:DvMonth • mlhim2:DvYear • mlhim2:DvYearMonth • mlhim2:DvMonthDay
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvAny xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`</mlhim2:DvAny>`

Source	`<xs:element abstract="true" name="DvAny" type="mlhim2:DvAnyType"/>`

Element `mlhim2:DvBoolean`

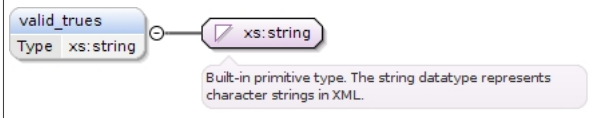
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvBooleanType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvBooleanType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:valid_trues* , mlhim2:valid_falses* , mlhim2:DvBoolean_dv{0,1}
Children	mlhim2:DvBoolean_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_falses, mlhim2:valid_time_begin, mlhim2:valid_time_end, mlhim2:valid_trues

Instance	`<mlhim2:DvBoolean xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:valid_trues>{0,unbounded}</mlhim2:valid_trues>`
	`  <mlhim2:valid_falses>{0,unbounded}</mlhim2:valid_falses>`
	`  <mlhim2:DvBoolean_dv>{0,1}</mlhim2:DvBoolean_dv>`
	`</mlhim2:DvBoolean>`

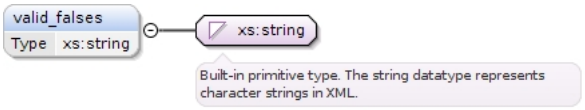
Source	`<xs:element name="DvBoolean" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvBooleanType"/>`

Element `mlhim2:DvBooleanType / mlhim2:valid_trues`

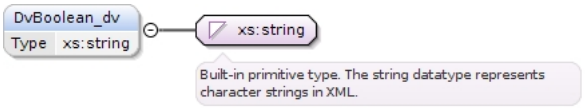
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	unbounded
Source	<xs:element maxOccurs="unbounded" minOccurs="0" name="valid_trues" type="xs:string"/>	

Element mlhim2:DvBooleanType / mlhim2:valid_falses

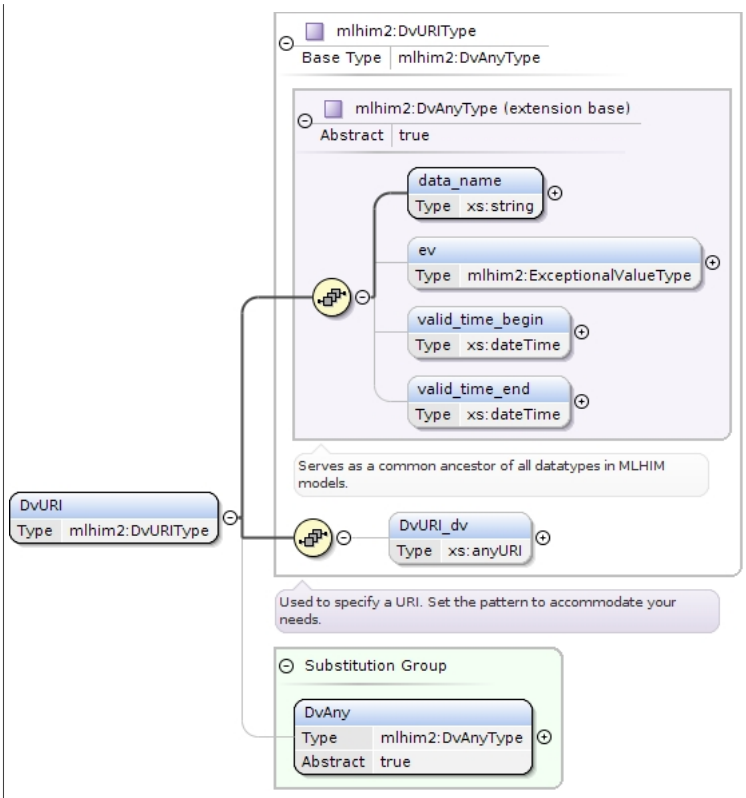
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: unbounded
Source	<xs:element maxOccurs="unbounded" minOccurs="0" name="valid_falses" type="xs:string"/>

Element mlhim2:DvBooleanType / mlhim2:DvBoolean_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0
Source	<xs:element minOccurs="0" name="DvBoolean_dv" type="xs:string"/>

Element mlhim2:DvURI

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

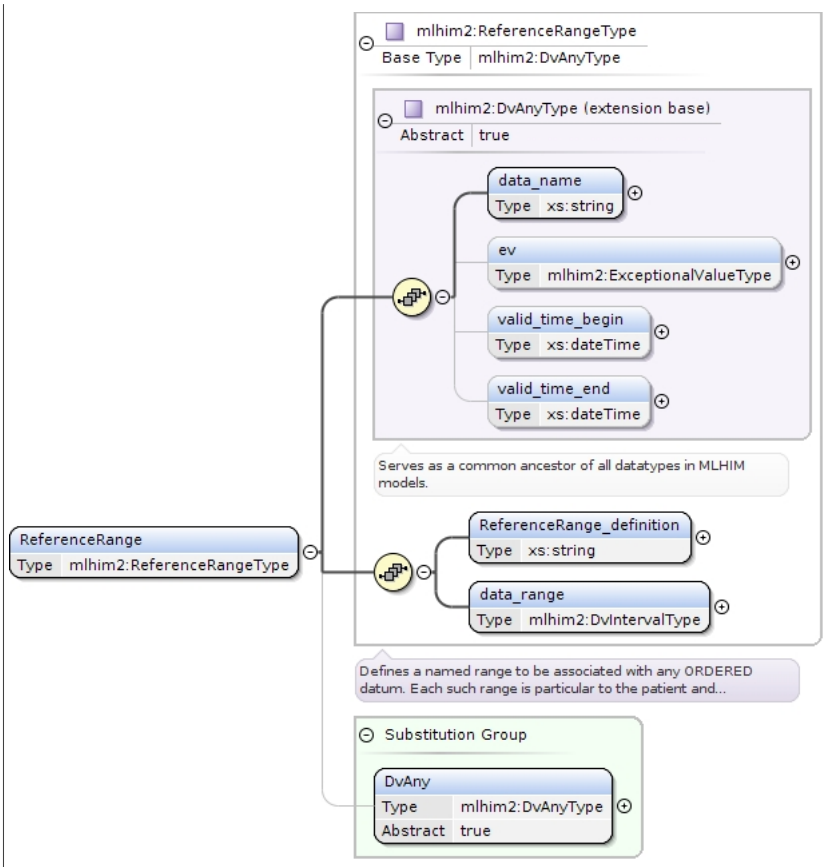
Diagram	
Type	mlhim2:DvURIType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvURIType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvURI_dv{0,1}
Children	mlhim2:DvURI_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvURI xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvURI_dv>{0,1}</mlhim2:DvURI_dv>`
	`</mlhim2:DvURI>`

Source	`<xs:element name="DvURI" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvURIType"/>`

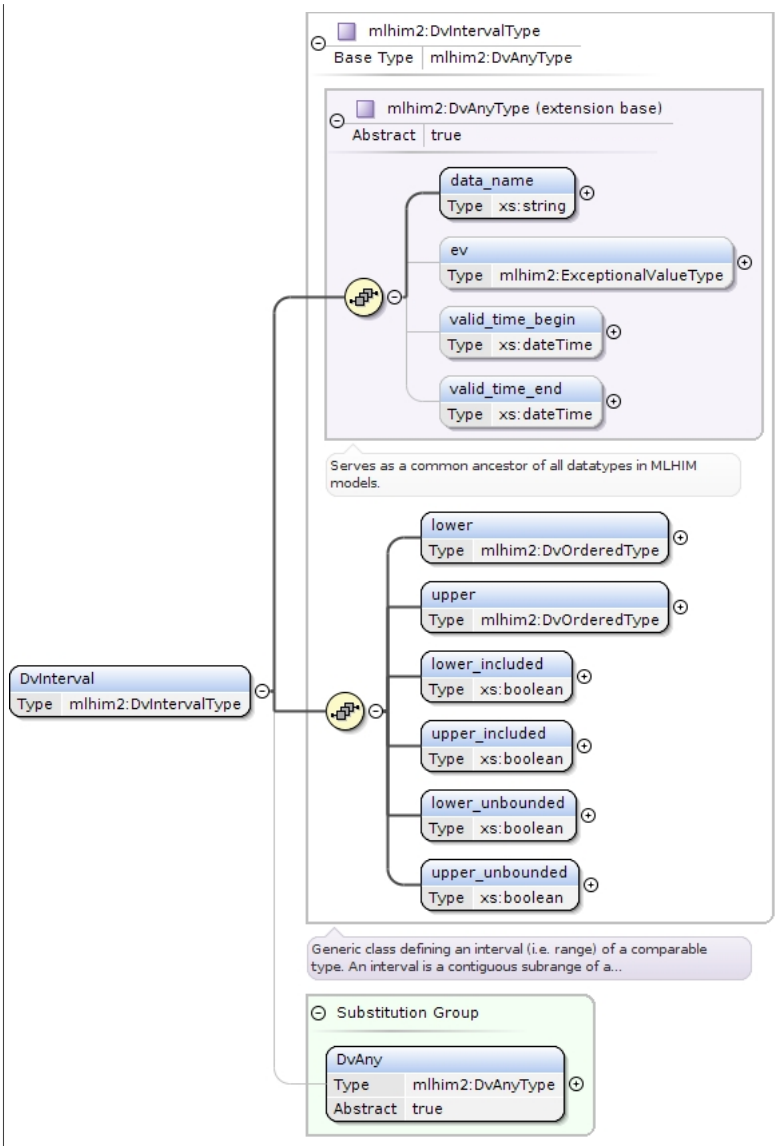
Element `mlhim2:ReferenceRange`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:ReferenceRangeType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:ReferenceRangeType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:ReferenceRange_definition , mlhim2:data_range
Children	mlhim2:ReferenceRange_definition, mlhim2:data_name, mlhim2:data_range, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:ReferenceRange xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:ReferenceRange_definition>{1,1}</mlhim2:ReferenceRange_definition> <mlhim2:data_range>{1,1}</mlhim2:data_range> </mlhim2:ReferenceRange>
Source	<xs:element name="ReferenceRange" substitutionGroup="mlhim2:DvAny" type="mlhim2:ReferenceRangeType"/> >

Element `mlhim2:DvInterval`

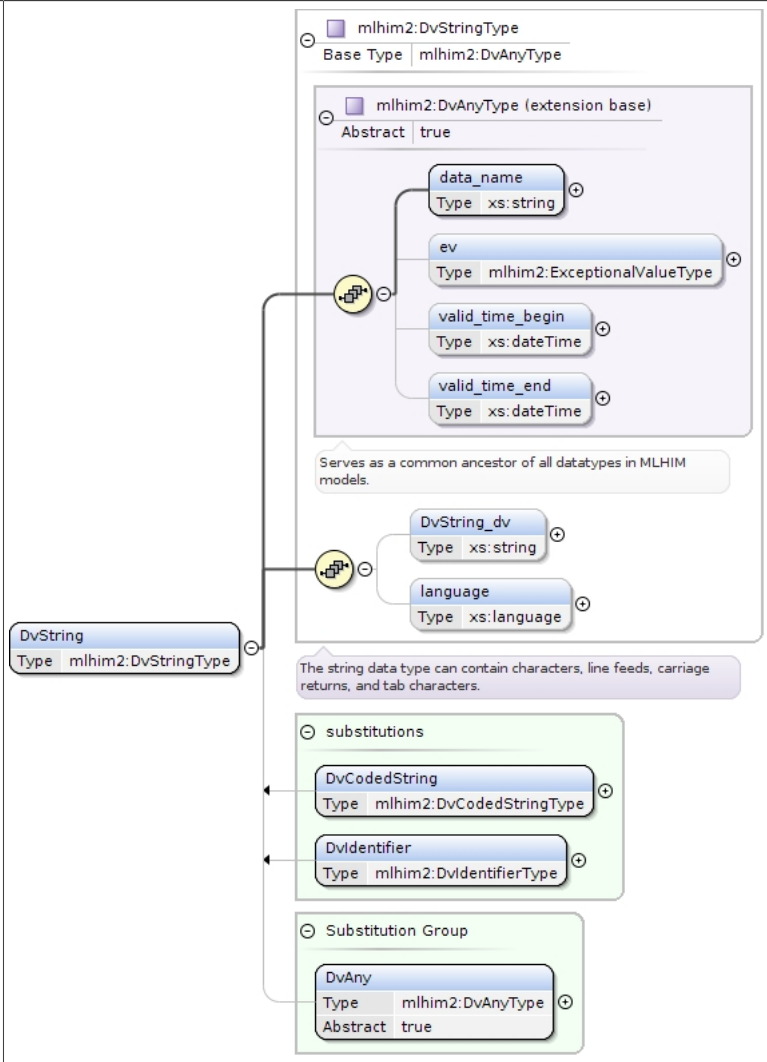
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvIntervalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvIntervalType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:lower , mlhim2:upper , mlhim2:lower_included , mlhim2:upper_included , mlhim2:lower_unbounded , mlhim2:upper_unbounded
Children	mlhim2:data_name, mlhim2:ev, mlhim2:lower, mlhim2:lower_included, mlhim2:lower_unbounded, mlhim2:upper, mlhim2:upper_included, mlhim2:upper_unbounded, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvInterval xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:lower>{1,1}</mlhim2:lower>`
	`  <mlhim2:upper>{1,1}</mlhim2:upper>`
	`  <mlhim2:lower_included>{1,1}</mlhim2:lower_included>`
	`  <mlhim2:upper_included>{1,1}</mlhim2:upper_included>`
	`  <mlhim2:lower_unbounded>{1,1}</mlhim2:lower_unbounded>`
	`  <mlhim2:upper_unbounded>{1,1}</mlhim2:upper_unbounded>`
	`</mlhim2:DvInterval>`

Source	`<xs:element name="DvInterval" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvIntervalType"/>`

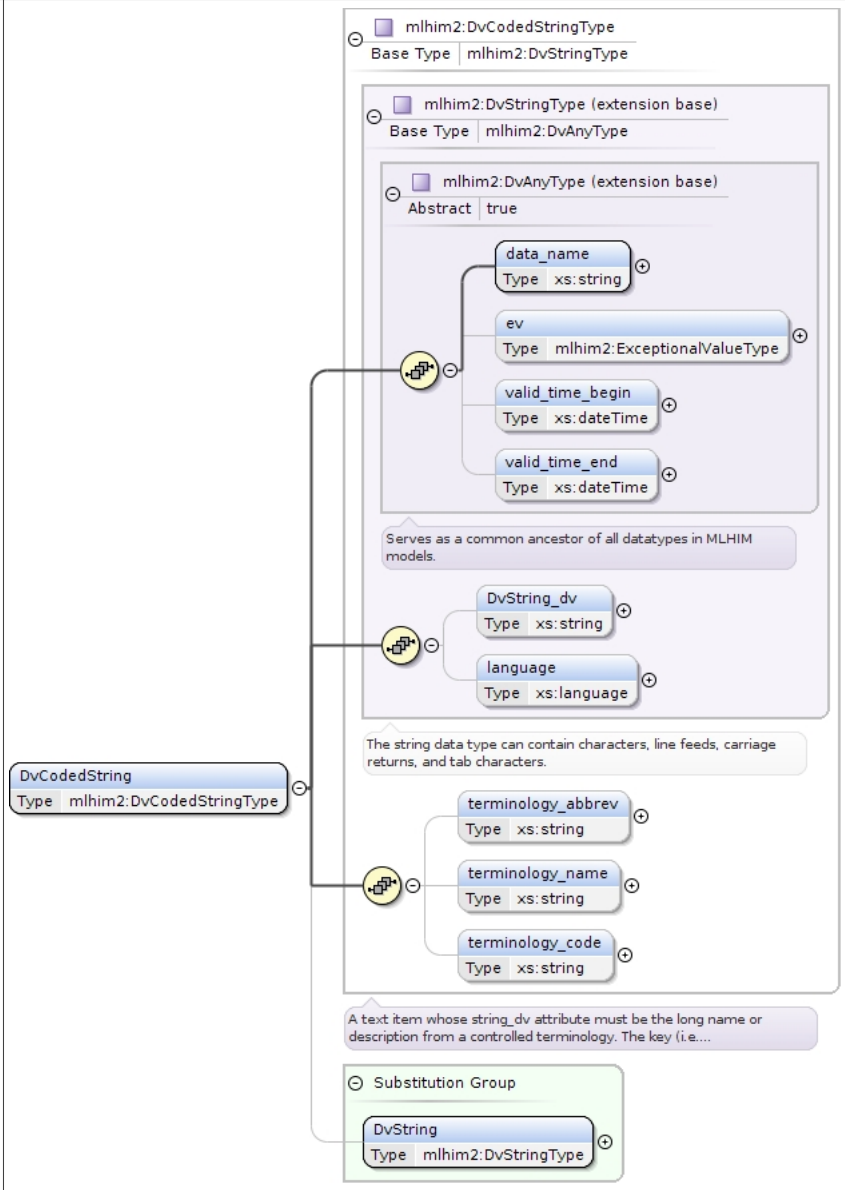
Element `mlhim2:DvString`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvStringType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvStringType
Properties	content: `complex`
Substitution Group	• mlhim2:DvCodedString • mlhim2:DvIdentifier
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvString xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`</mlhim2:DvString>`

Source	`<xs:element name="DvString" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvStringType"/>`

Element `mlhim2:DvCodedString`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvCodedStringType

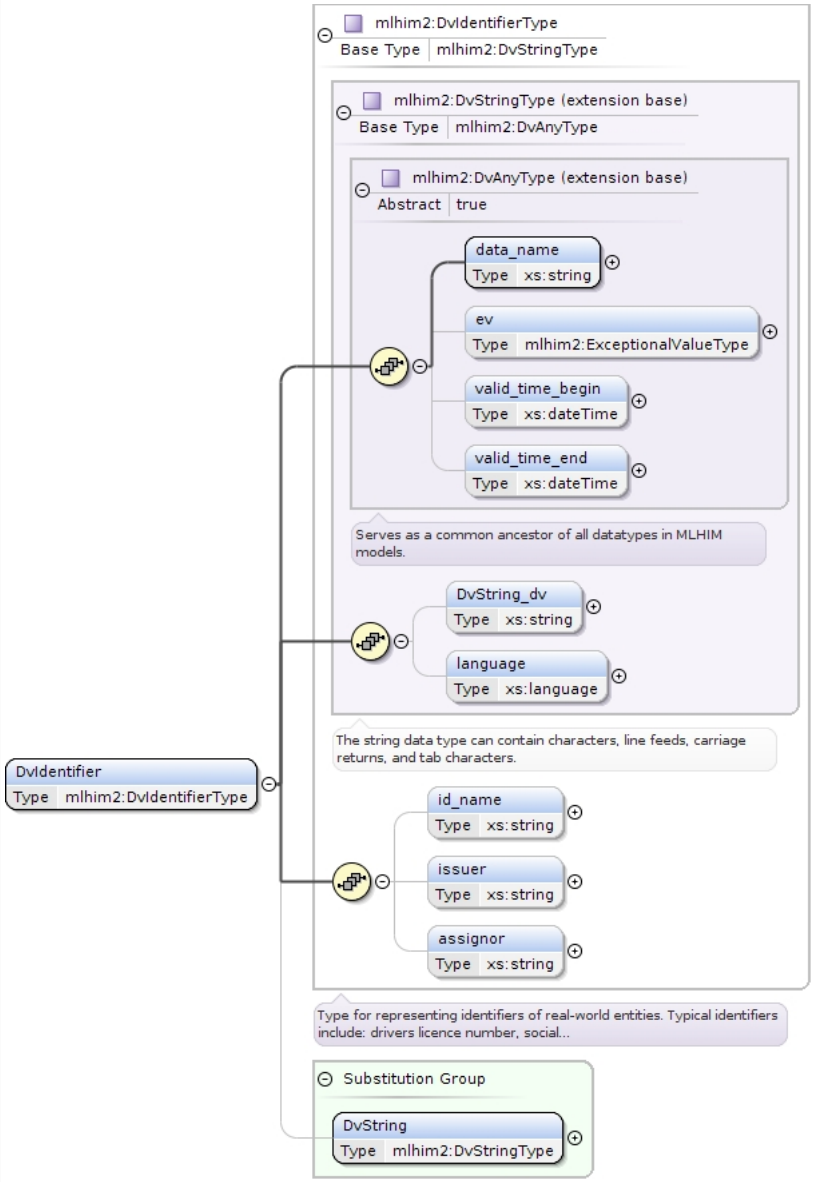
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvCodedStringType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvString
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvCodedString xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`

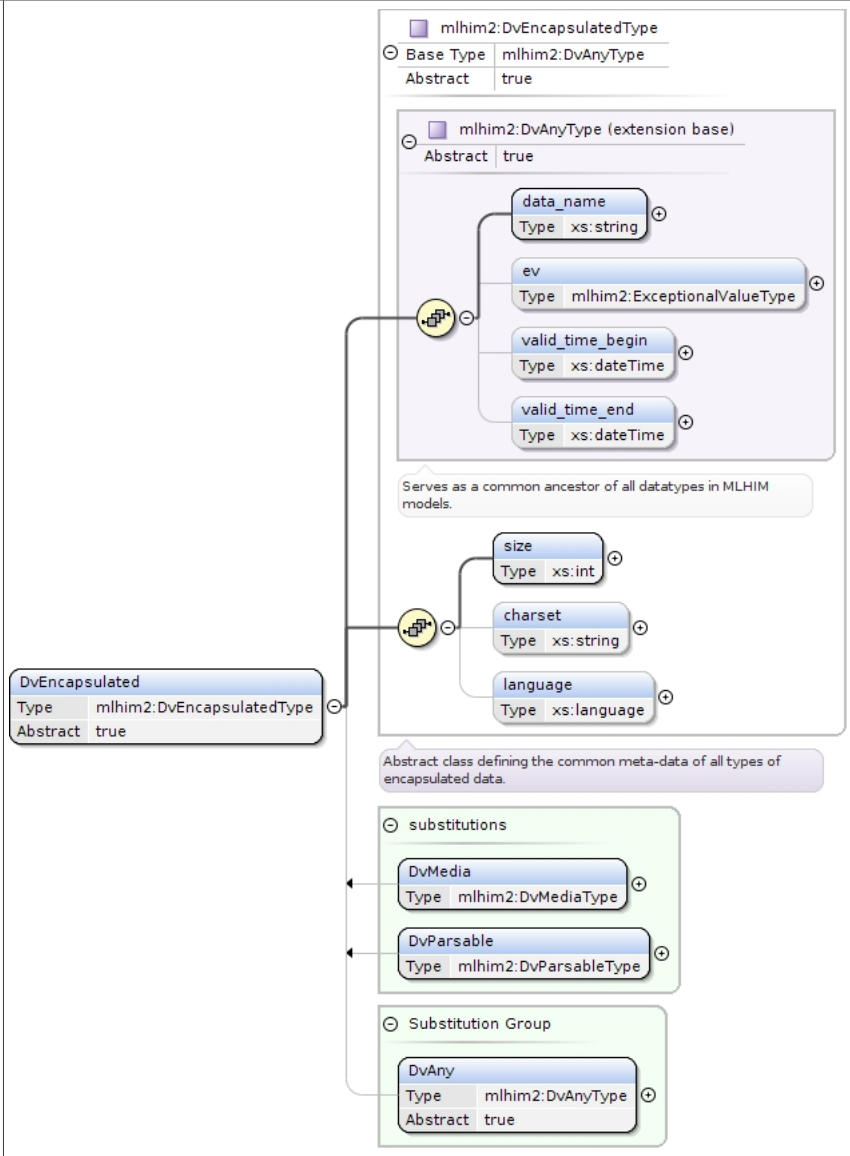
	<mlhim2:language>{0,1}</mlhim2:language> <mlhim2:terminology_abbrev>{0,1}</mlhim2:terminology_abbrev> <mlhim2:terminology_name>{0,1}</mlhim2:terminology_name> <mlhim2:terminology_code>{0,1}</mlhim2:terminology_code> </mlhim2:DvCodedString>
Source	<xs:element name="DvCodedString" substitutionGroup="mlhim2:DvString" type="mlhim2:DvCodedStringType"/>

Element `mlhim2:DvIdentifier`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvIdentifierType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvStringType • mlhim2:DvIdentifierType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvString
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}

Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvIdentifier xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv> <mlhim2:language>{0,1}</mlhim2:language> <mlhim2:id_name>{0,1}</mlhim2:id_name> <mlhim2:issuer>{0,1}</mlhim2:issuer> <mlhim2:assignor>{0,1}</mlhim2:assignor> </mlhim2:DvIdentifier>
Source	<xs:element name="DvIdentifier" substitutionGroup="mlhim2:DvString" type="mlhim2:DvIdentifierType"/>

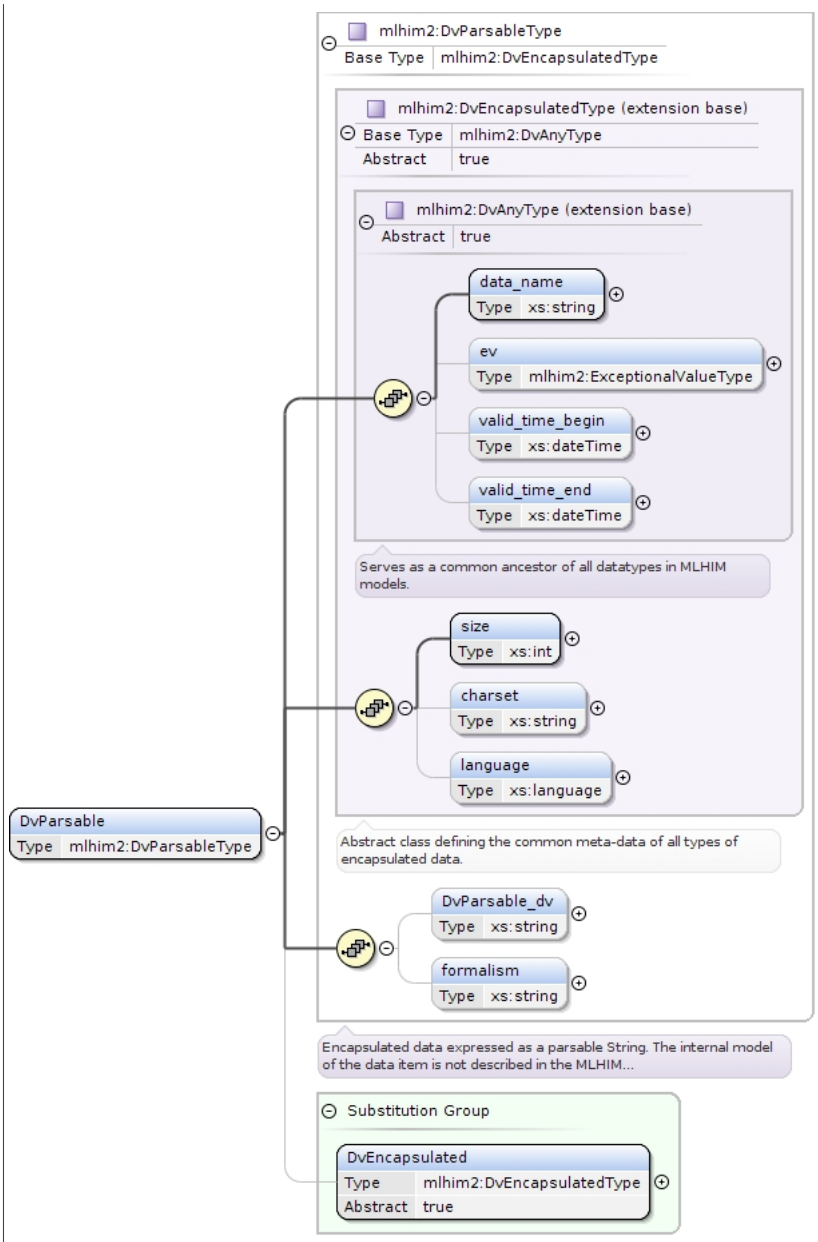
Element `mlhim2:DvEncapsulated`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvEncapsulatedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvEncapsulatedType
Properties	content: `complex` abstract: `true`

Substitution Group	• mlhim2:DvParsable • mlhim2:DvMedia
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1}
Children	mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvEncapsulated xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:size>{1,1}</mlhim2:size> <mlhim2:charset>{0,1}</mlhim2:charset> <mlhim2:language>{0,1}</mlhim2:language> </mlhim2:DvEncapsulated>
Source	<xs:element abstract="true" name="DvEncapsulated" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvEncapsulatedType"/>

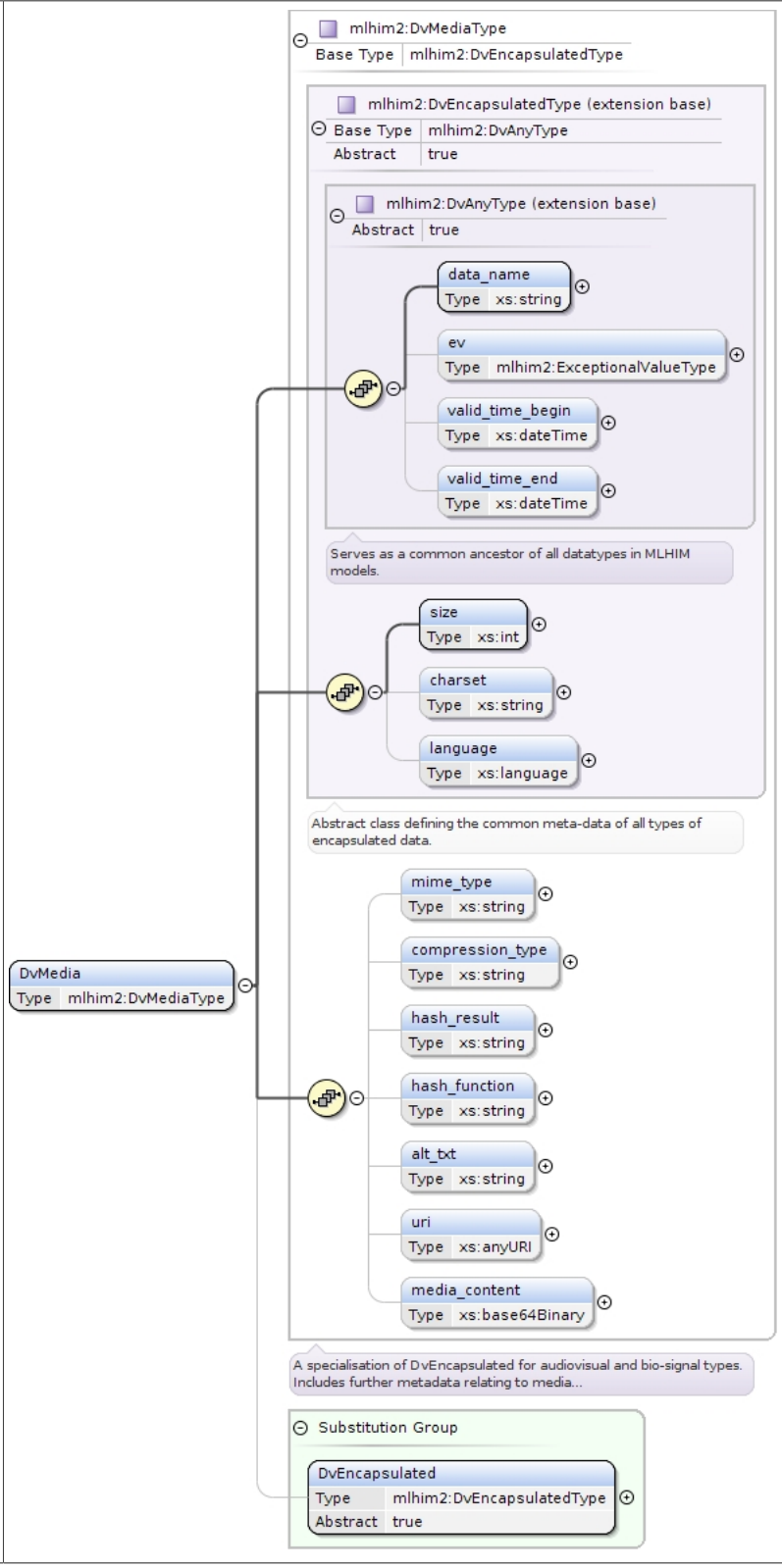
Element `mlhim2:DvParsable`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvParsableType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvEncapsulatedType • mlhim2:DvParsableType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvEncapsulated
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:DvParsable_dv{0,1} , mlhim2:formalism{0,1}
Children	mlhim2:DvParsable_dv, mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:formalism, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvParsable xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:size>{1,1}</mlhim2:size> <mlhim2:charset>{0,1}</mlhim2:charset>

	<mlhim2:language>{0,1}</mlhim2:language> <mlhim2:DvParsable_dv>{0,1}</mlhim2:DvParsable_dv> <mlhim2:formalism>{0,1}</mlhim2:formalism> </mlhim2:DvParsable>
Source	<xs:element name="DvParsable" substitutionGroup="mlhim2:DvEncapsulated" type="mlhim2:DvParsableType"/>

Element mlhim2:DvMedia

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

Type	mlhim2:DvMediaType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvEncapsulatedType
	  • mlhim2:DvMediaType

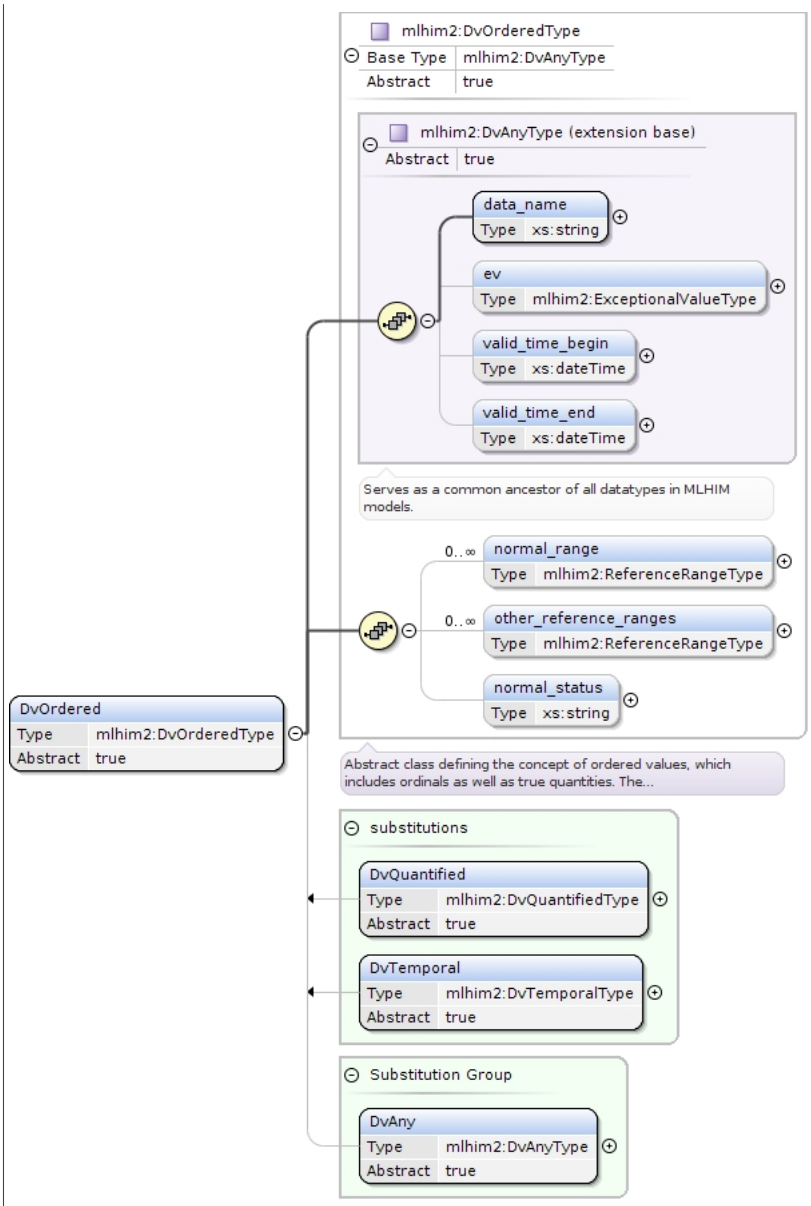
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvEncapsulated
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:mime_type{0,1} , mlhim2:compression_type{0,1} , mlhim2:hash_result{0,1} , mlhim2:hash_function{0,1} , mlhim2:alt_txt{0,1} , mlhim2:uri{0,1} , mlhim2:media_content{0,1}
Children	mlhim2:alt_txt, mlhim2:charset, mlhim2:compression_type, mlhim2:data_name, mlhim2:ev, mlhim2:hash_function, mlhim2:hash_result, mlhim2:language, mlhim2:media_content, mlhim2:mime_type, mlhim2:size, mlhim2:uri, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvMedia xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:size>{1,1}</mlhim2:size>`
	`  <mlhim2:charset>{0,1}</mlhim2:charset>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:mime_type>{0,1}</mlhim2:mime_type>`
	`  <mlhim2:compression_type>{0,1}</mlhim2:compression_type>`
	`  <mlhim2:hash_result>{0,1}</mlhim2:hash_result>`
	`  <mlhim2:hash_function>{0,1}</mlhim2:hash_function>`
	`  <mlhim2:alt_txt>{0,1}</mlhim2:alt_txt>`
	`  <mlhim2:uri>{0,1}</mlhim2:uri>`
	`  <mlhim2:media_content>{0,1}</mlhim2:media_content>`
	`</mlhim2:DvMedia>`

Source	`<xs:element name="DvMedia" substitutionGroup="mlhim2:DvEncapsulated" type="mlhim2:DvMediaType"/>`

Element `mlhim2:DvOrdered`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

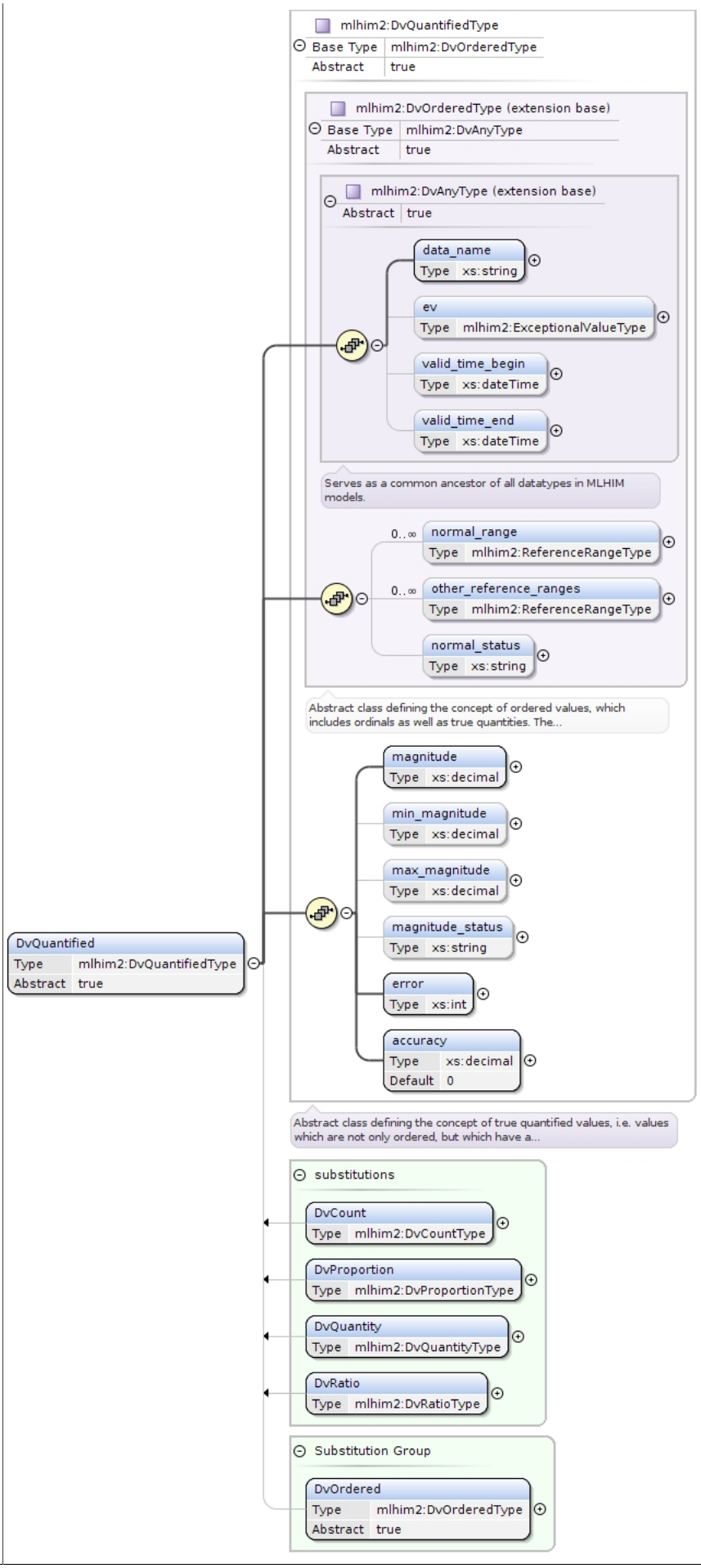
Diagram	
Type	mlhim2:DvOrderedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType
Properties	content: `complex` abstract: `true`
Substitution Group	• mlhim2:DvQuantity • mlhim2:DvRatio • mlhim2:DvProportion • mlhim2:DvCount • mlhim2:DvDateTime • mlhim2:DvDate • mlhim2:DvTime • mlhim2:DvDay • mlhim2:DvMonth

	• mlhim2:DvYear • mlhim2:DvYearMonth • mlhim2:DvMonthDay
Substitution Group Affiliation	• mlhim2:DvAny
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvOrdered xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> </mlhim2:DvOrdered>
Source	<xs:element abstract="true" name="DvOrdered" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvOrderedType"/>

Element `mlhim2:DvQuantified`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram

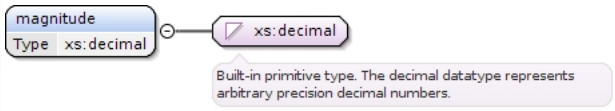

mlhim2:DvQuantifiedType
Base Type mlhim2:DvOrderedType
Abstract true
mlhim2:DvOrderedType (extension base)
Base Type mlhim2:DvAnyType
Abstract true
mlhim2:DvAnyType (extension base)
Abstract true
data_name
Type xs:string
ev
Type mlhim2:ExceptionalValueType
valid_time_begin
Type xs:dateTime
valid_time_end
Type xs:dateTime
Serves as a common ancestor of all datatypes in MLHIM models.
0..∞ normal_range
Type mlhim2:ReferenceRangeType
0..∞ other_reference_ranges
Type mlhim2:ReferenceRangeType
normal_status
Type xs:string
Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...
magnitude
Type xs:decimal
min_magnitude
Type xs:decimal
max_magnitude
Type xs:decimal
magnitude_status
Type xs:string
error
Type xs:int
accuracy
Type xs:decimal
Default 0
DvQuantified
Type mlhim2:DvQuantifiedType
Abstract true
Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a...
substitutions
DvCount
Type mlhim2:DvCountType
DvProportion
Type mlhim2:DvProportionType
DvQuantity
Type mlhim2:DvQuantityType
DvRatio
Type mlhim2:DvRatioType
Substitution Group
DvOrdered
Type mlhim2:DvOrderedType
Abstract true

Type	mlhim2:DvQuantifiedType

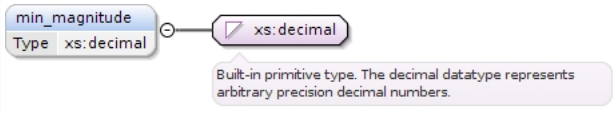
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType

Properties	content: complex abstract: true
Substitution Group	• mlhim2:DvQuantity • mlhim2:DvRatio • mlhim2:DvProportion • mlhim2:DvCount
Substitution Group Affiliation	• mlhim2:DvOrdered
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvQuantified xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:magnitude>{1,1}</mlhim2:magnitude> <mlhim2:min_magnitude>{0,1}</mlhim2:min_magnitude> <mlhim2:max_magnitude>{0,1}</mlhim2:max_magnitude> <mlhim2:magnitude_status>{0,1}</mlhim2:magnitude_status> <mlhim2:error>{1,1}</mlhim2:error> <mlhim2:accuracy>{1,1}</mlhim2:accuracy> </mlhim2:DvQuantified>
Source	<xs:element abstract="true" name="DvQuantified" substitutionGroup="mlhim2:DvOrdered" type="mlhim2:DvQuantifiedType"/>

Element mlhim2:DvQuantifiedType / mlhim2:magnitude

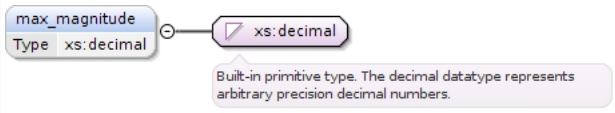
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="1" name="magnitude" type="xs:decimal"/>

Element mlhim2:DvQuantifiedType / mlhim2:min_magnitude

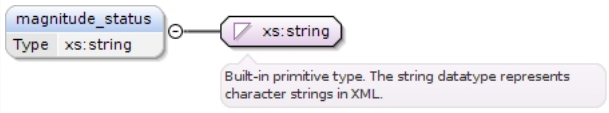
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal

Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Source	<xs:element maxOccurs="1" minOccurs="0" name="min_magnitude" type="xs:decimal"/>	

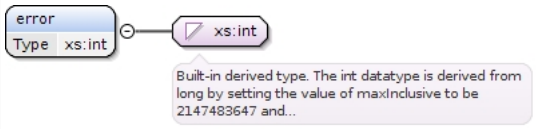
Element mlhim2:DvQuantifiedType / mlhim2:max_magnitude

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="max_magnitude" type="xs:decimal"/>

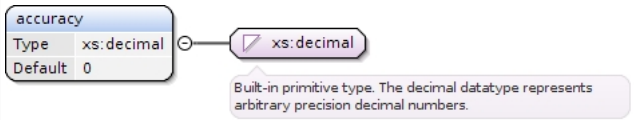
Element mlhim2:DvQuantifiedType / mlhim2:magnitude_status

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="magnitude_status" type="xs:string"/>

Element mlhim2:DvQuantifiedType / mlhim2:error

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="1" name="error" type="xs:int"/>

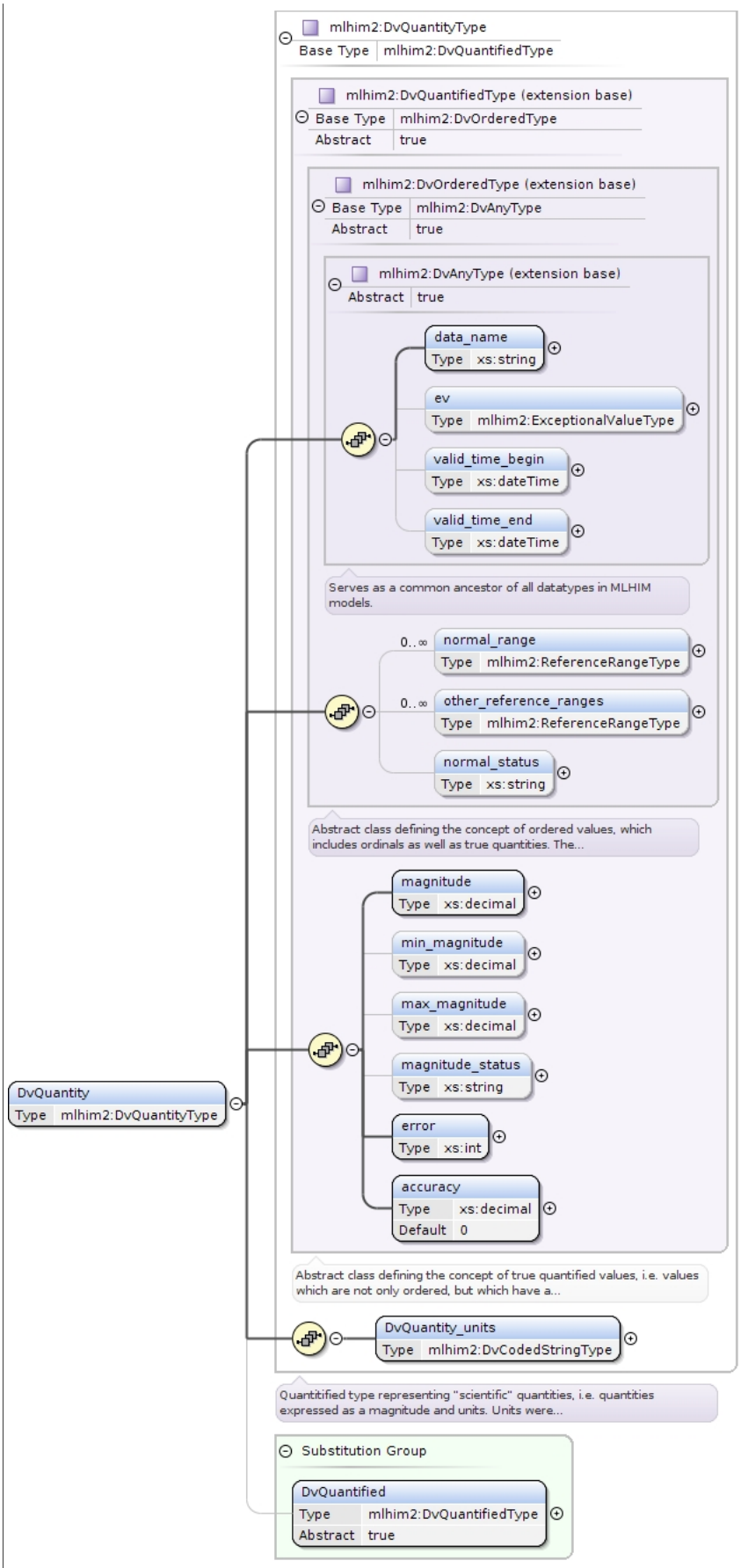
Element mlhim2:DvQuantifiedType / mlhim2:accuracy

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal

Properties	content:	simple
	default:	0
Source	<xs:element default="0" name="accuracy" type="xs:decimal"/>	

Element mlhim2:DvQuantity

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

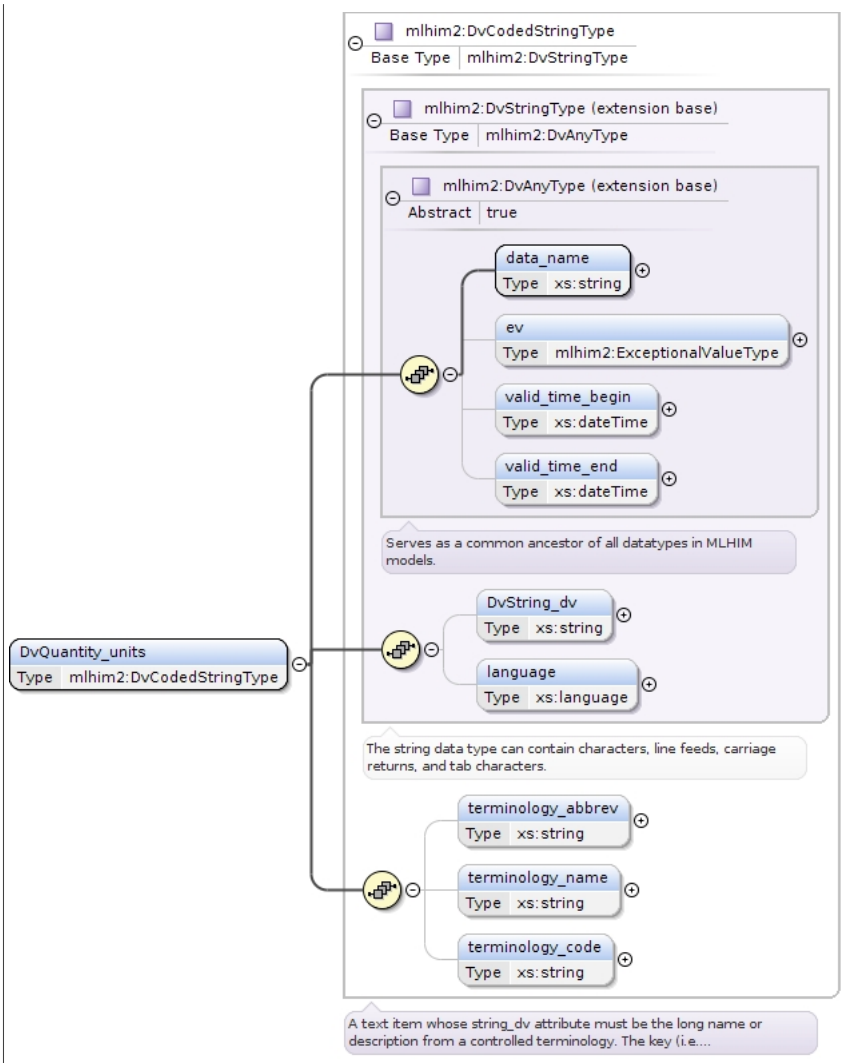
Diagram	
Type	mlhim2:DvQuantityType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType
	  • mlhim2:DvQuantityType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvQuantified
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:DvQuantity_units
Children	mlhim2:DvQuantity_units, mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvQuantity xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:magnitude>{1,1}</mlhim2:magnitude> <mlhim2:min_magnitude>{0,1}</mlhim2:min_magnitude> <mlhim2:max_magnitude>{0,1}</mlhim2:max_magnitude> <mlhim2:magnitude_status>{0,1}</mlhim2:magnitude_status> <mlhim2:error>{1,1}</mlhim2:error> <mlhim2:accuracy>{1,1}</mlhim2:accuracy> <mlhim2:DvQuantity_units>{1,1}</mlhim2:DvQuantity_units> </mlhim2:DvQuantity>
Source	<xs:element name="DvQuantity" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvQuantityType"/>

Element mlhim2:DvQuantityType / mlhim2:DvQuantity_units

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvCodedStringType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvStringType
	  • mlhim2:DvCodedStringType

Properties	content: complex minOccurs: 1 maxOccurs: 1
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end

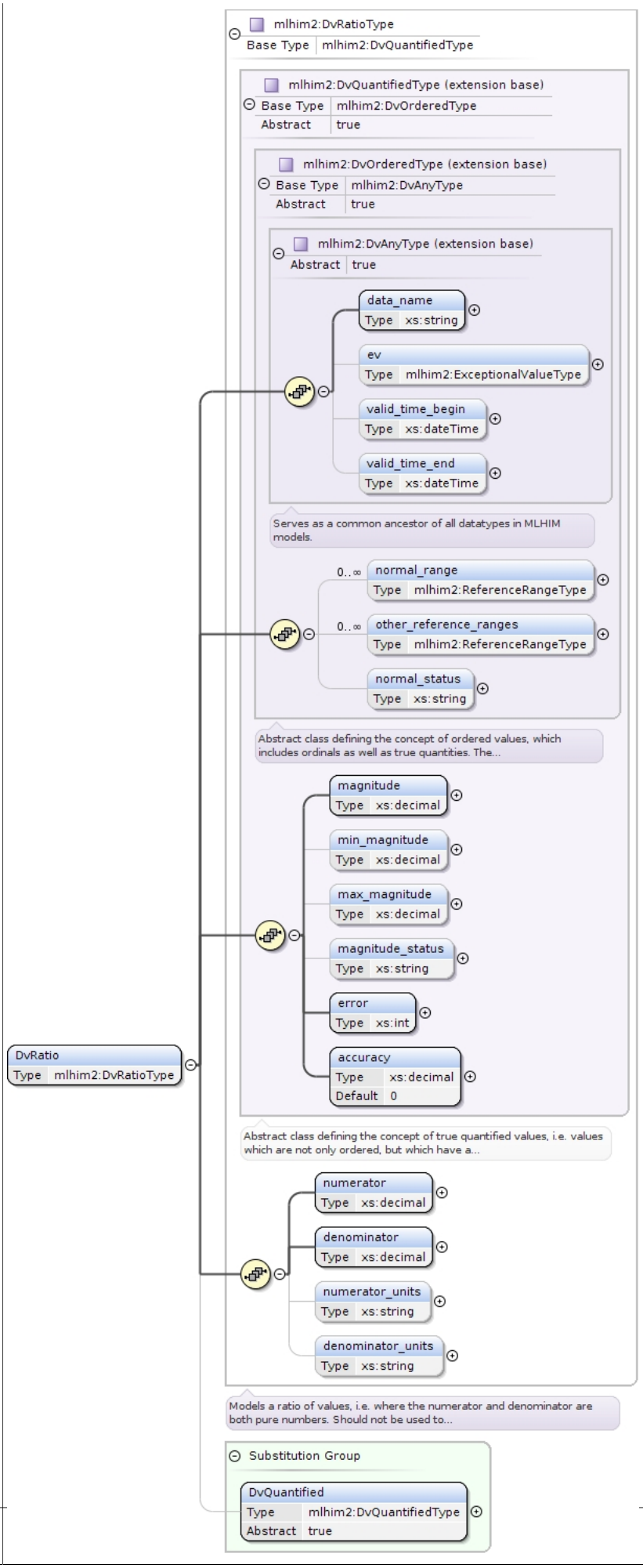
Instance	`<mlhim2:DvQuantity_units xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`  <mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`  <mlhim2:ev>{0,1}</mlhim2:ev>`
	`  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`  <mlhim2:DvString_dv>{0,1}</mlhim2:DvString_dv>`
	`  <mlhim2:language>{0,1}</mlhim2:language>`
	`  <mlhim2:terminology_abbrev>{0,1}</mlhim2:terminology_abbrev>`
	`  <mlhim2:terminology_name>{0,1}</mlhim2:terminology_name>`
	`  <mlhim2:terminology_code>{0,1}</mlhim2:terminology_code>`
	`</mlhim2:DvQuantity_units>`

Source	`<xs:element maxOccurs="1" minOccurs="1" name="DvQuantity_units" type="mlhim2:DvCodedStringType"/>`

Element `mlhim2:DvRatio`

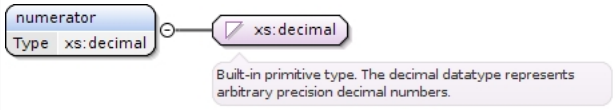
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram

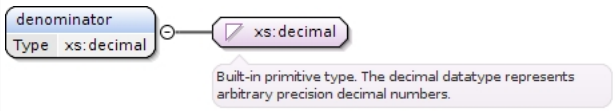

mlhim2:DvRatioType
Base Type mlhim2:DvQuantifiedType
mlhim2:DvQuantifiedType (extension base)
Base Type mlhim2:DvOrderedType
Abstract true
mlhim2:DvOrderedType (extension base)
Base Type mlhim2:DvAnyType
Abstract true
mlhim2:DvAnyType (extension base)
Abstract true
data_name
Type xs:string
ev
Type mlhim2:ExceptionalValueType
valid_time_begin
Type xs:dateTime
valid_time_end
Type xs:dateTime
Serves as a common ancestor of all datatypes in MLHIM models.
0..∞ normal_range
Type mlhim2:ReferenceRangeType
0..∞ other_reference_ranges
Type mlhim2:ReferenceRangeType
normal_status
Type xs:string
Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...
magnitude
Type xs:decimal
min_magnitude
Type xs:decimal
max_magnitude
Type xs:decimal
magnitude_status
Type xs:string
error
Type xs:int
accuracy
Type xs:decimal
Default 0
Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a...
numerator
Type xs:decimal
denominator
Type xs:decimal
numerator_units
Type xs:string
denominator_units
Type xs:string
DvRatio
Type mlhim2:DvRatioType
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to...
Substitution Group
DvQuantified
Type mlhim2:DvQuantifiedType
Abstract true

Type	mlhim2:DvRatioType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvQuantifiedType • mlhim2:DvRatioType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvQuantified
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:numerator , mlhim2:denominator , mlhim2:numerator_units{0,1} , mlhim2:denominator_units{0,1}
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:denominator, mlhim2:denominator_units, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:numerator, mlhim2:numerator_units, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvRatio xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:magnitude>{1,1}</mlhim2:magnitude> <mlhim2:min_magnitude>{0,1}</mlhim2:min_magnitude> <mlhim2:max_magnitude>{0,1}</mlhim2:max_magnitude> <mlhim2:magnitude_status>{0,1}</mlhim2:magnitude_status> <mlhim2:error>{1,1}</mlhim2:error> <mlhim2:accuracy>{1,1}</mlhim2:accuracy> <mlhim2:numerator>{1,1}</mlhim2:numerator> <mlhim2:denominator>{1,1}</mlhim2:denominator> <mlhim2:numerator_units>{0,1}</mlhim2:numerator_units> <mlhim2:denominator_units>{0,1}</mlhim2:denominator_units> </mlhim2:DvRatio>
Source	<xs:element name="DvRatio" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvRatioType"/>

Element mlhim2:DvRatioType / mlhim2:numerator

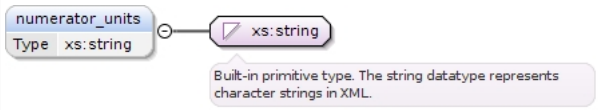
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<xs:element name="numerator" type="xs:decimal"/>

Element mlhim2:DvRatioType / mlhim2:denominator

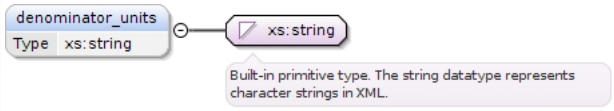
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<xs:element name="denominator" type="xs:decimal"/>

Element mlhim2:DvRatioType / mlhim2:numerator_units

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="numerator_units" type="xs:string"/>`

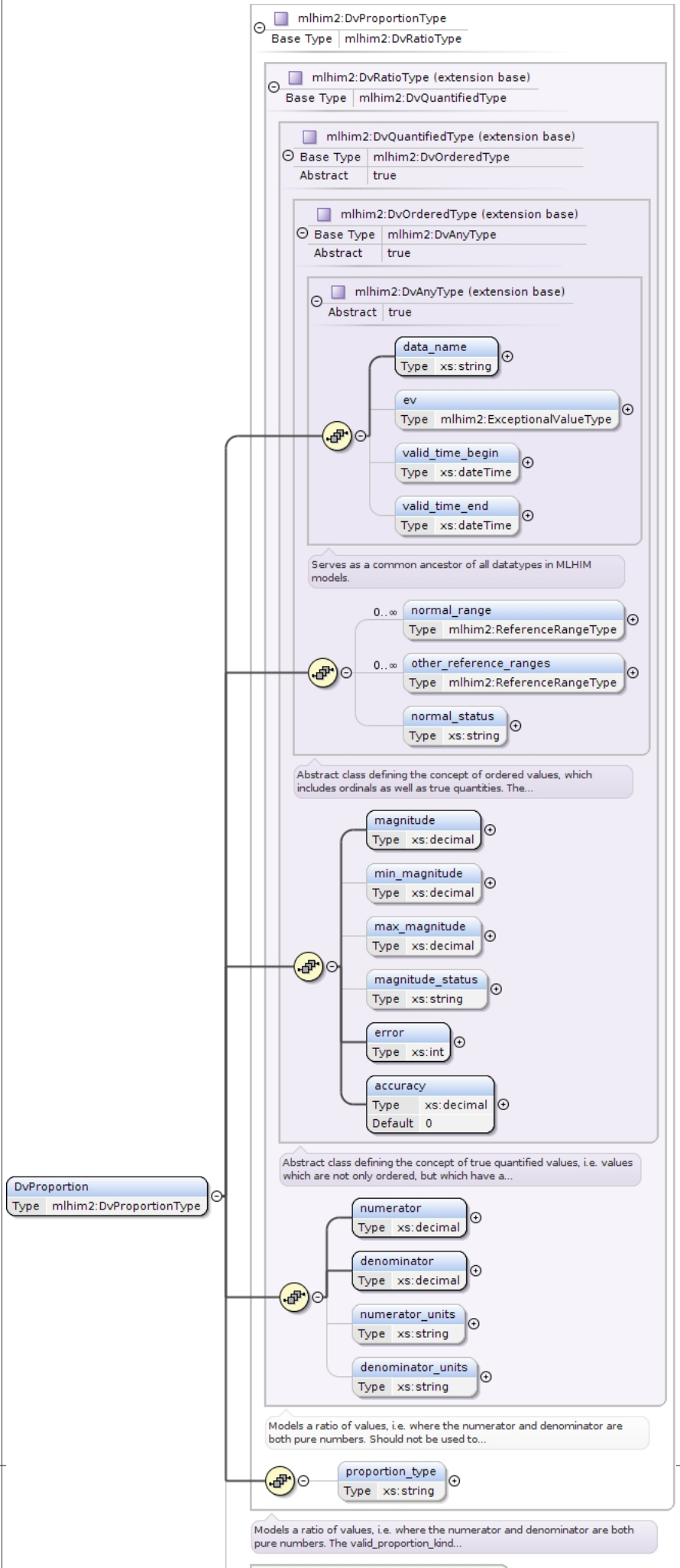
Element `mlhim2:DvRatioType / mlhim2:denominator_units`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="denominator_units" type="xs:string"/>`

Element `mlhim2:DvProportion`

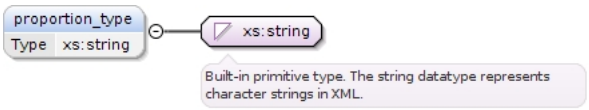
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram


mlhim2:DvProportionType
Base Type mlhim2:DvRatioType
mlhim2:DvRatioType (extension base)
Base Type mlhim2:DvQuantifiedType
mlhim2:DvQuantifiedType (extension base)
Base Type mlhim2:DvOrderedType
Abstract true
mlhim2:DvOrderedType (extension base)
Base Type mlhim2:DvAnyType
Abstract true
mlhim2:DvAnyType (extension base)
Abstract true
data_name
Type xs:string
ev
Type mlhim2:ExceptionalValueType
valid_time_begin
Type xs:dateTime
valid_time_end
Type xs:dateTime
Serves as a common ancestor of all datatypes in MLHIM models.
0..∞
normal_range
Type mlhim2:ReferenceRangeType
0..∞
other_reference_ranges
Type mlhim2:ReferenceRangeType
normal_status
Type xs:string
Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...
magnitude
Type xs:decimal
min_magnitude
Type xs:decimal
max_magnitude
Type xs:decimal
magnitude_status
Type xs:string
error
Type xs:int
accuracy
Type xs:decimal
Default 0
Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a...
numerator
Type xs:decimal
denominator
Type xs:decimal
numerator_units
Type xs:string
denominator_units
Type xs:string
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to...
proportion_type
Type xs:string
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. The valid_proportion_kind...
DvProportion
Type mlhim2:DvProportionType

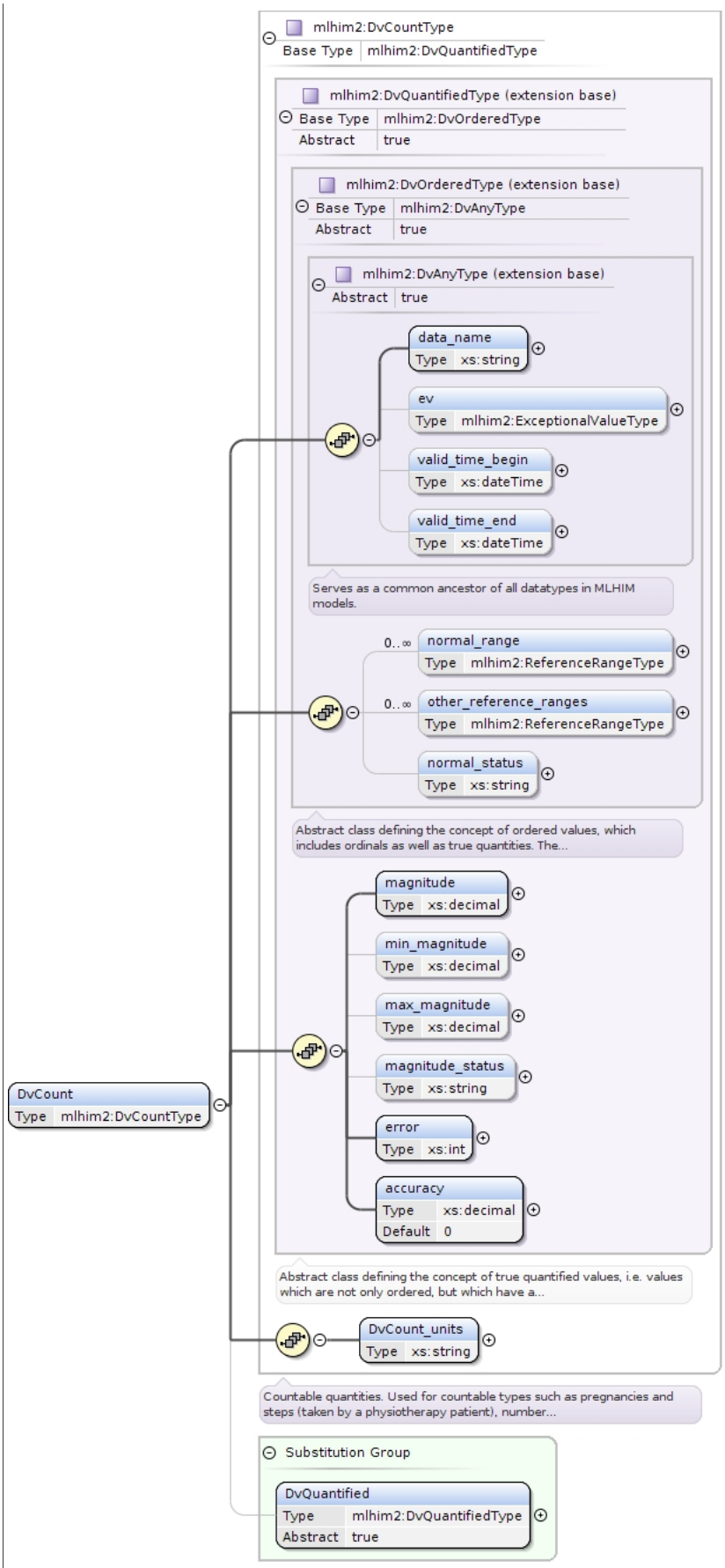
Type	mlhim2:DvProportionType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvQuantifiedType • mlhim2:DvRatioType • mlhim2:DvProportionType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvQuantified
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:numerator , mlhim2:denominator , mlhim2:numerator_units{0,1} , mlhim2:denominator_units{0,1} , mlhim2:proportion_type{0,1}
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:denominator, mlhim2:denominator_units, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:numerator, mlhim2:numerator_units, mlhim2:other_reference_ranges, mlhim2:proportion_type, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvProportion xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:magnitude>{1,1}</mlhim2:magnitude> <mlhim2:min_magnitude>{0,1}</mlhim2:min_magnitude> <mlhim2:max_magnitude>{0,1}</mlhim2:max_magnitude> <mlhim2:magnitude_status>{0,1}</mlhim2:magnitude_status> <mlhim2:error>{1,1}</mlhim2:error> <mlhim2:accuracy>{1,1}</mlhim2:accuracy> <mlhim2:numerator>{1,1}</mlhim2:numerator> <mlhim2:denominator>{1,1}</mlhim2:denominator> <mlhim2:numerator_units>{0,1}</mlhim2:numerator_units> <mlhim2:denominator_units>{0,1}</mlhim2:denominator_units> <mlhim2:proportion_type>{0,1}</mlhim2:proportion_type> </mlhim2:DvProportion>
Source	<xs:element name="DvProportion" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvProportionType"/>

Element mlhim2:DvProportionType / mlhim2:proportion_type

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	<xs:element maxOccurs="1" minOccurs="0" name="proportion_type" type="xs:string"/>

Element mlhim2:DvCount

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvCountType

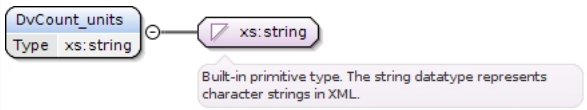
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType
	  • mlhim2:DvCountType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvQuantified
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:DvCount_units
Children	mlhim2:DvCount_units, mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvCount xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`<mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`<mlhim2:ev>{0,1}</mlhim2:ev>`
	`<mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`
	`<mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>`
	`<mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>`
	`<mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>`
	`<mlhim2:normal_status>{0,1}</mlhim2:normal_status>`
	`<mlhim2:magnitude>{1,1}</mlhim2:magnitude>`
	`<mlhim2:min_magnitude>{0,1}</mlhim2:min_magnitude>`
	`<mlhim2:max_magnitude>{0,1}</mlhim2:max_magnitude>`
	`<mlhim2:magnitude_status>{0,1}</mlhim2:magnitude_status>`
	`<mlhim2:error>{1,1}</mlhim2:error>`
	`<mlhim2:accuracy>{1,1}</mlhim2:accuracy>`
	`<mlhim2:DvCount_units>{1,1}</mlhim2:DvCount_units>`
	`</mlhim2:DvCount>`

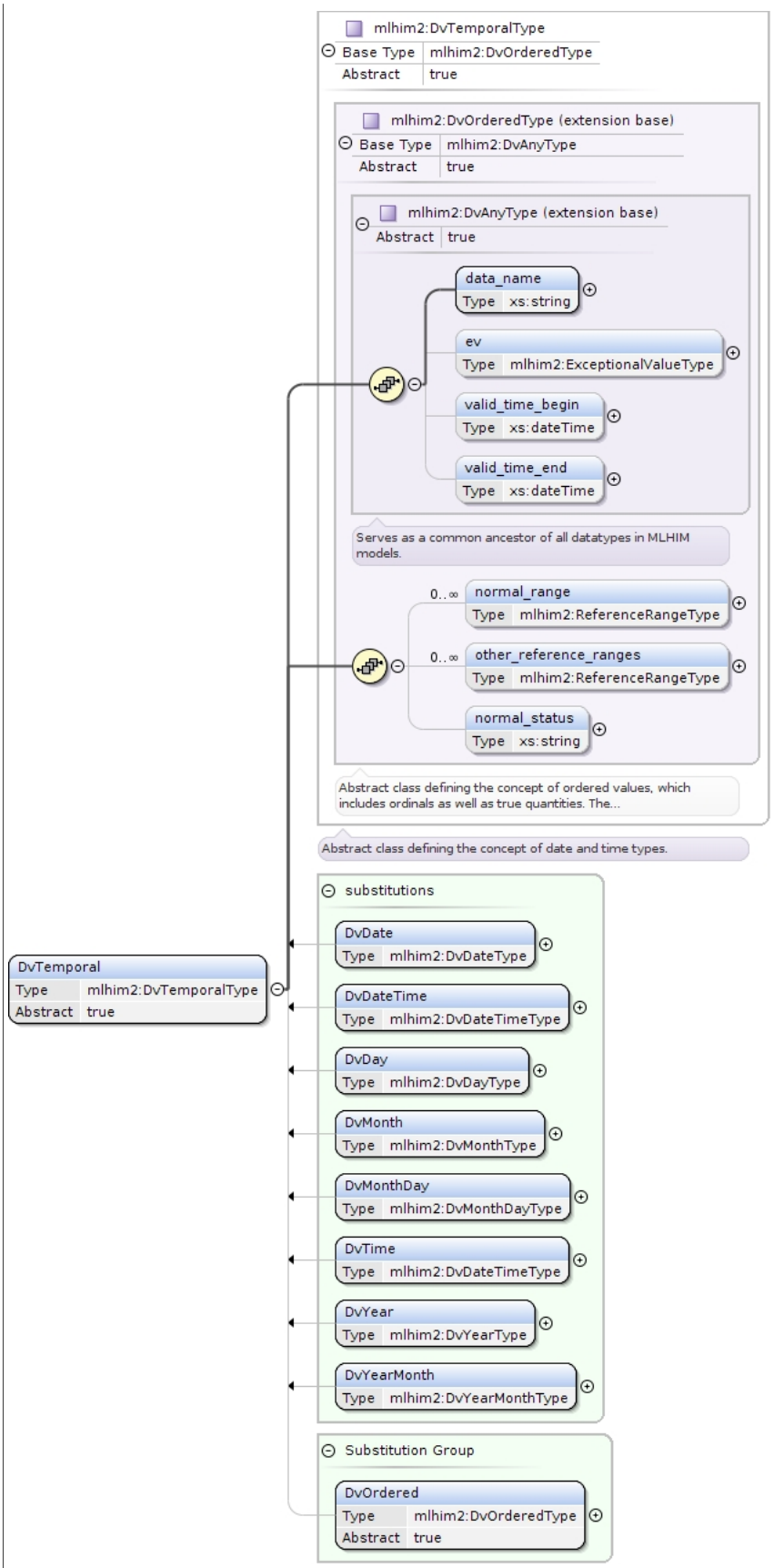
Source	`<xs:element name="DvCount" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvCountType"/>`

Element `mlhim2:DvCountType / mlhim2:DvCount_units`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="1" name="DvCount_units" type="xs:string"/>`

Element `mlhim2:DvTemporal`

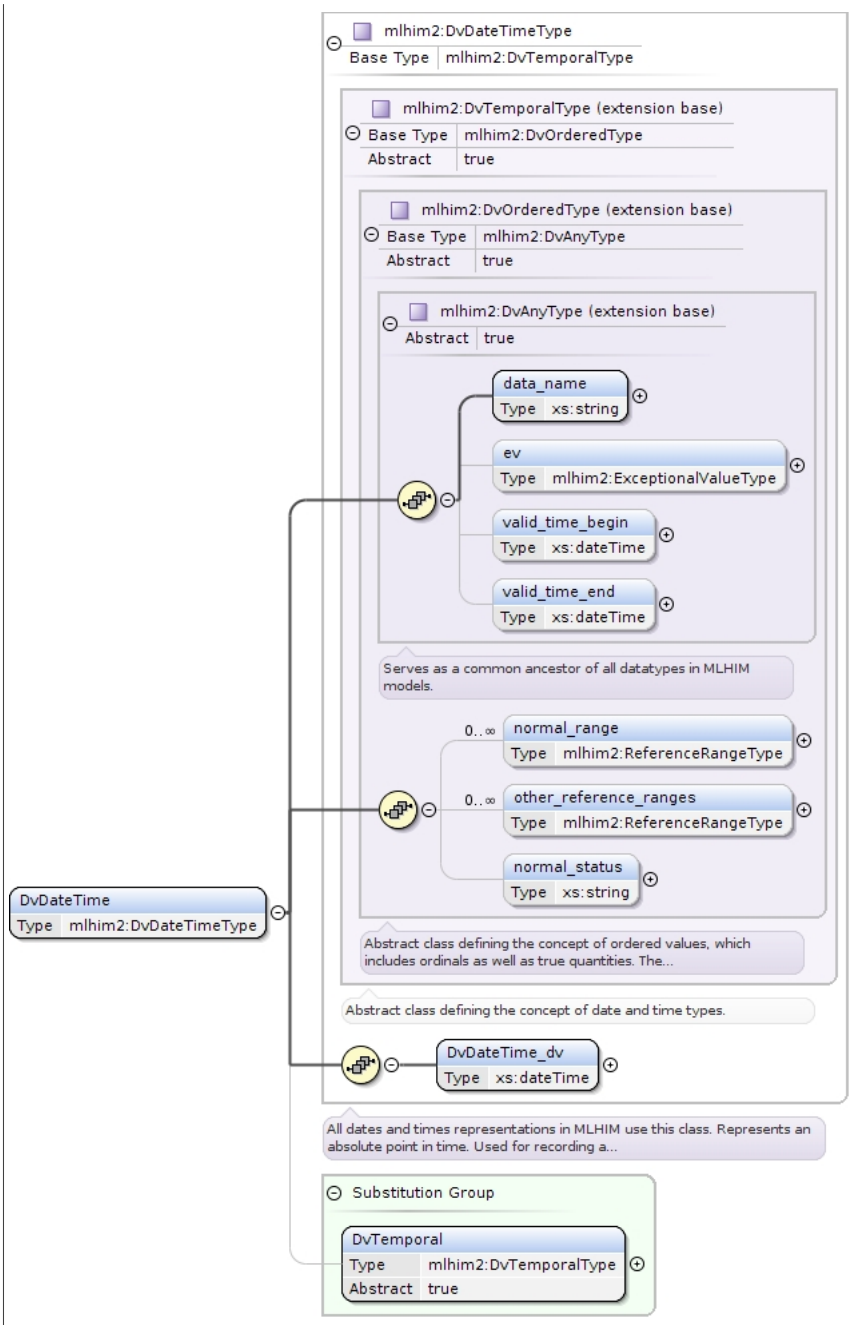
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType

	• mlhim2:DvTemporalType
Properties	content: complex abstract: true
Substitution Group	• mlhim2:DvDateTime • mlhim2:DvDate • mlhim2:DvTime • mlhim2:DvDay • mlhim2:DvMonth • mlhim2:DvYear • mlhim2:DvYearMonth • mlhim2:DvMonthDay
Substitution Group Affiliation	• mlhim2:DvOrdered
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvTemporal xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> </mlhim2:DvTemporal>
Source	<xs:element abstract="true" name="DvTemporal" substitutionGroup="mlhim2:DvOrdered" type="mlhim2:DvTemporalType"/>

Element mlhim2:DvDateTime

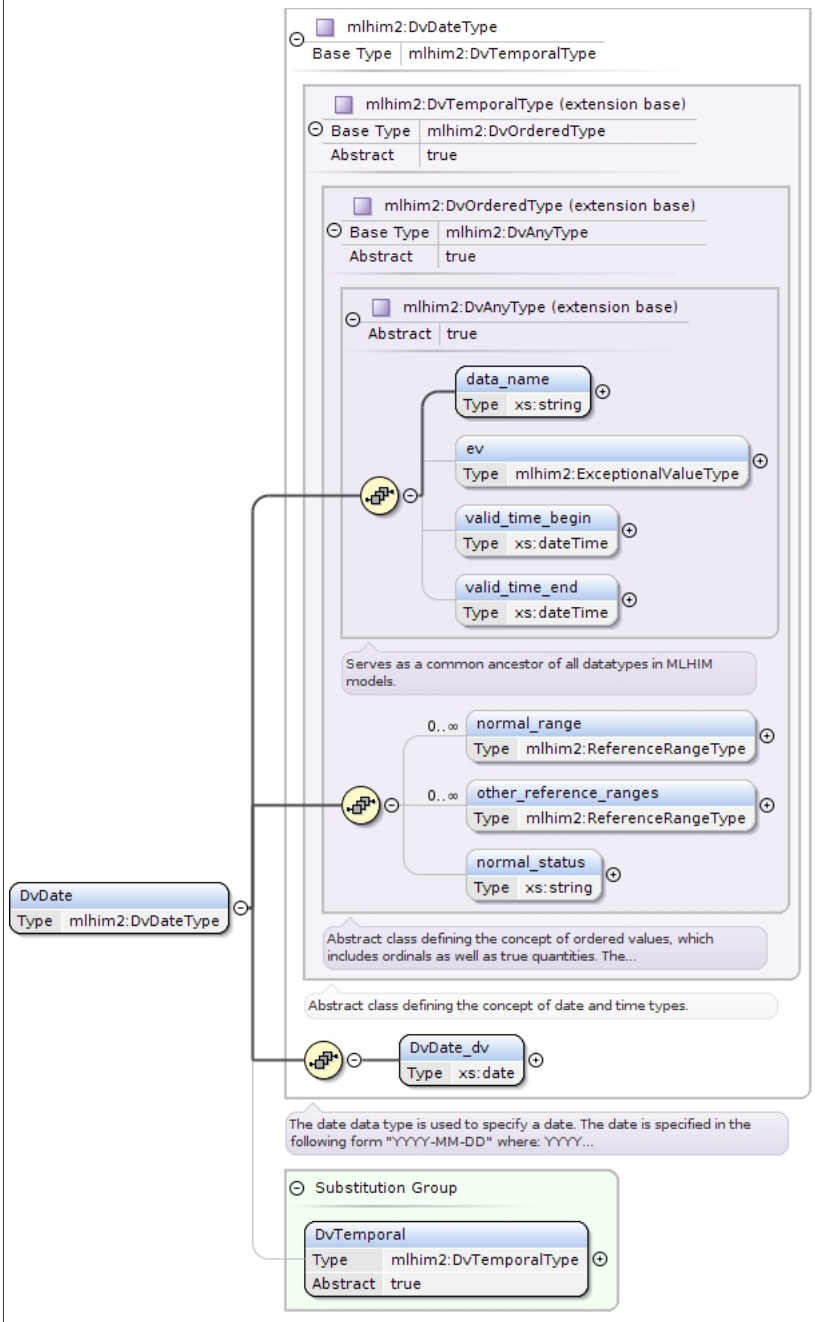
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvDateTimeType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvDateTimeType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvDateTime xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name>

```
  <mlhim2:ev>{0,1}</mlhim2:ev>
  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>
  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>
  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>
  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>
  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>
  <mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv>
</mlhim2:DvDateTime>
```

Source	`<xs:element name="DvDateTime" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDateTimeType"/>`

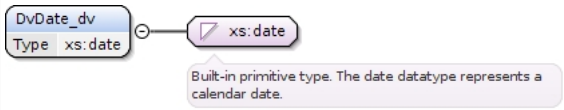
Element `mlhim2:DvDate`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvDateType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType

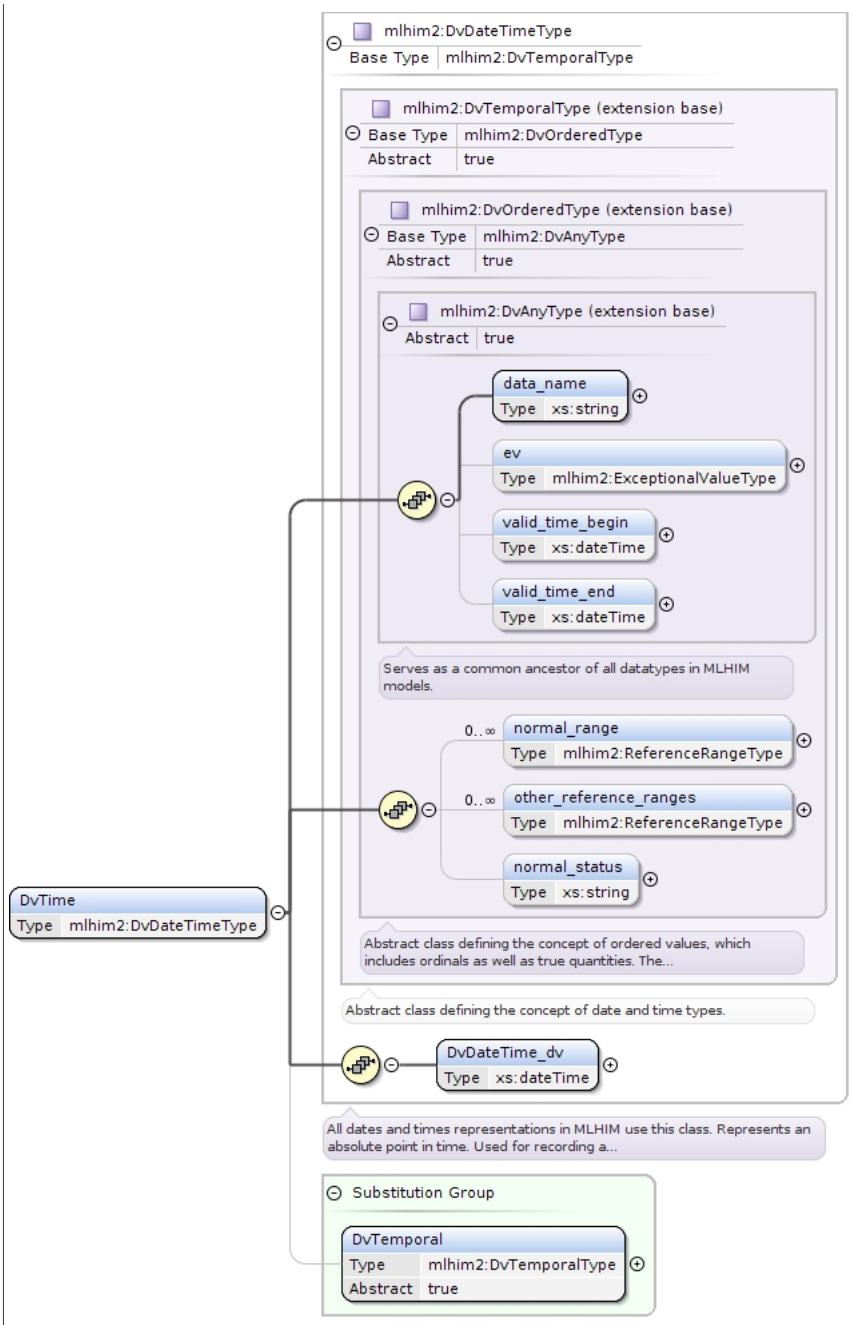
	• mlhim2:DvDateType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDate_dv
Children	mlhim2:DvDate_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvDate xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvDate_dv>{1,1}</mlhim2:DvDate_dv> </mlhim2:DvDate>
Source	<xs:element name="DvDate" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDateType"/>

Element mlhim2:DvDateType / mlhim2:DvDate_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:date
Properties	content: simple
Source	<xs:element name="DvDate_dv" type="xs:date"/>

Element mlhim2:DvTime

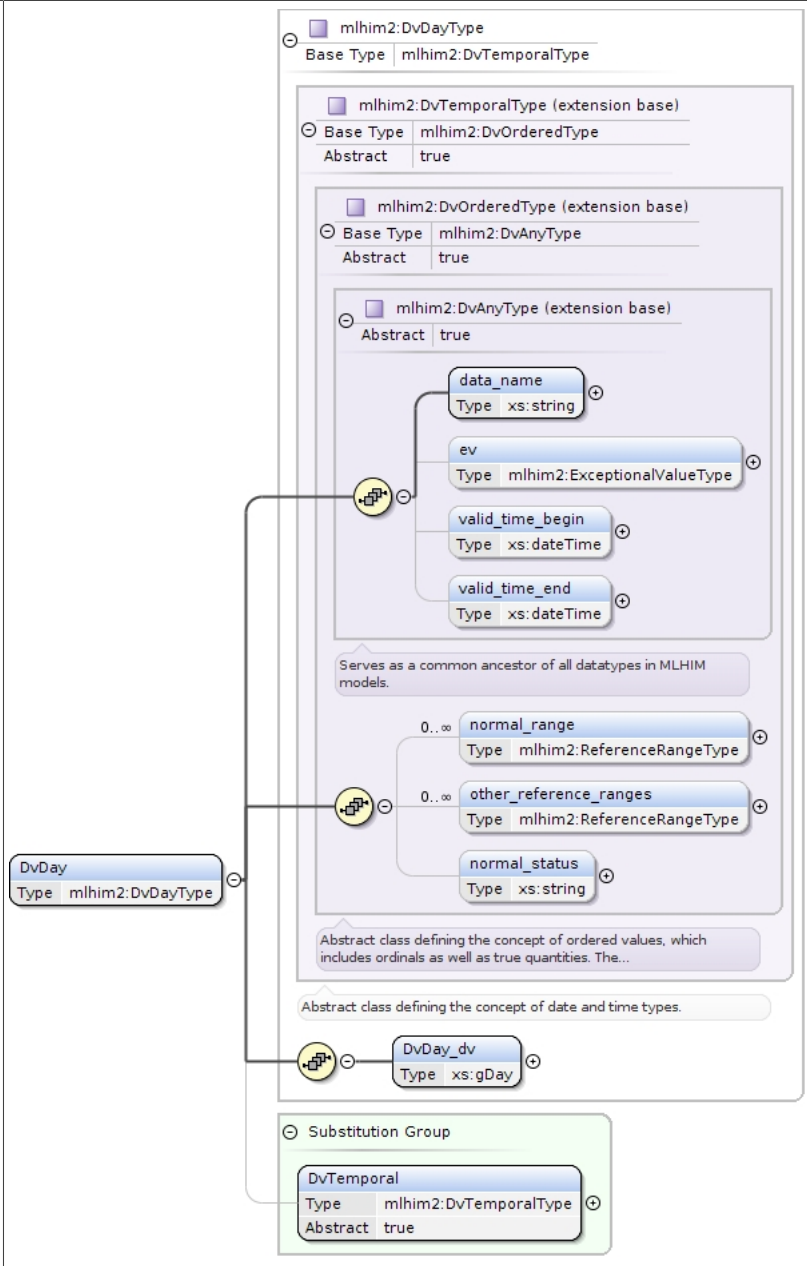
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvDateTimeType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvDateTimeType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvTime xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name>

```
  <mlhim2:ev>{0,1}</mlhim2:ev>
  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>
  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>
  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>
  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>
  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>
  <mlhim2:DvDateTime_dv>{1,1}</mlhim2:DvDateTime_dv>
</mlhim2:DvTime>
```

Source	`<xs:element name="DvTime" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDateTimeType"/>`

Element `mlhim2:DvDay`

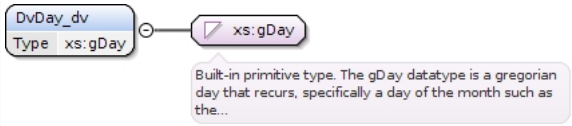
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvDayType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDayType

Properties	content: complex

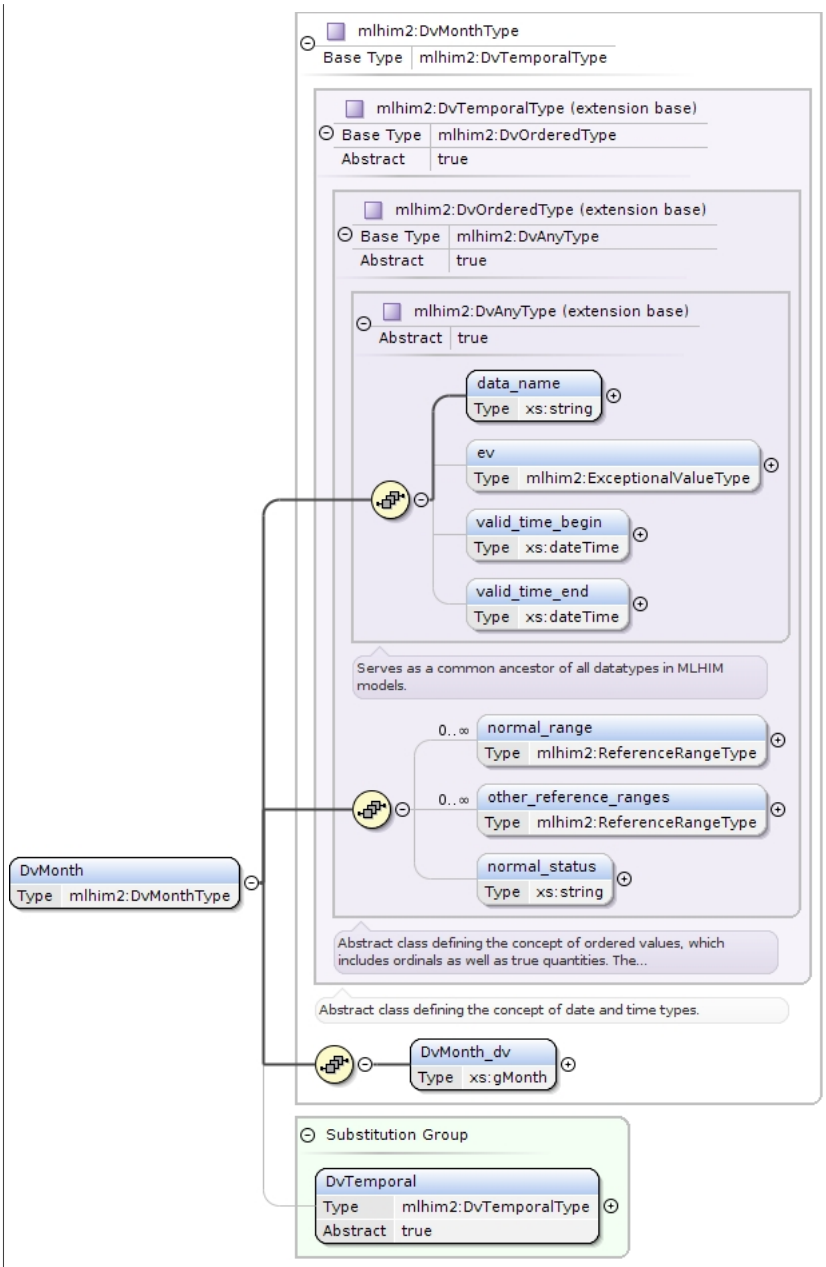
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDay_dv
Children	mlhim2:DvDay_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvDay xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin> <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvDay_dv>{1,1}</mlhim2:DvDay_dv> </mlhim2:DvDay>
Source	<xs:element name="DvDay" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDayType"/>

Element mlhim2:DvDayType / mlhim2:DvDay_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:gDay
Properties	content: simple
Source	<xs:element name="DvDay_dv" type="xs:gDay"/>

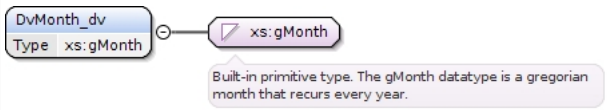
Element mlhim2:DvMonth

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvMonthType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvMonthType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvMonth_dv
Children	mlhim2:DvMonth_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvMonth xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>

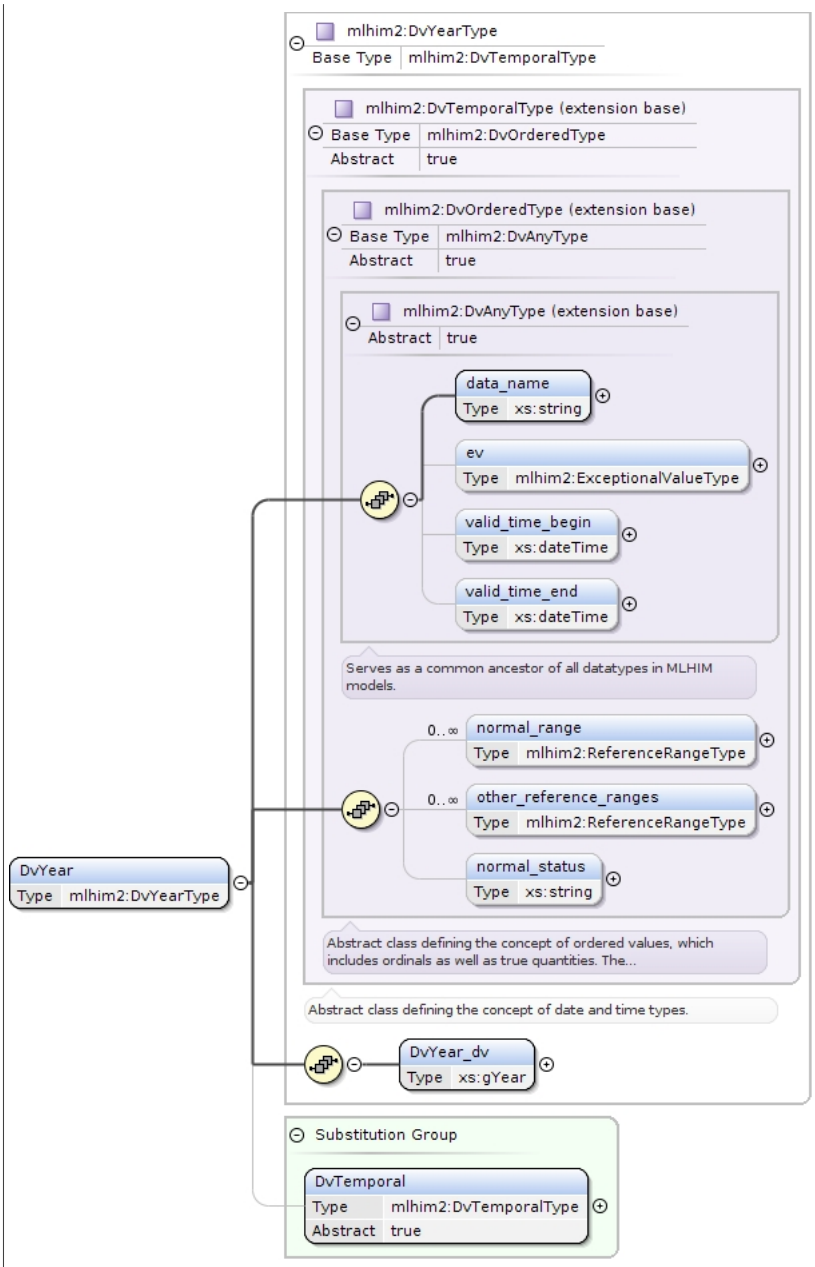
	<mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvMonth_dv>{1,1}</mlhim2:DvMonth_dv> </mlhim2:DvMonth>
Source	<xs:element name="DvMonth" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvMonthType"/>

Element mlhim2:DvMonthType / mlhim2:DvMonth_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:gMonth
Properties	content: simple
Source	<xs:element name="DvMonth_dv" type="xs:gMonth"/>

Element mlhim2:DvYear

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

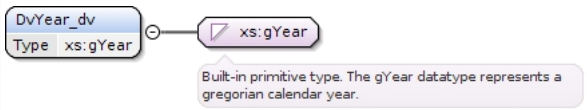
Diagram	
Type	mlhim2:DvYearType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvYearType

Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvYear_dv
Children	mlhim2:DvYear_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvYear xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>

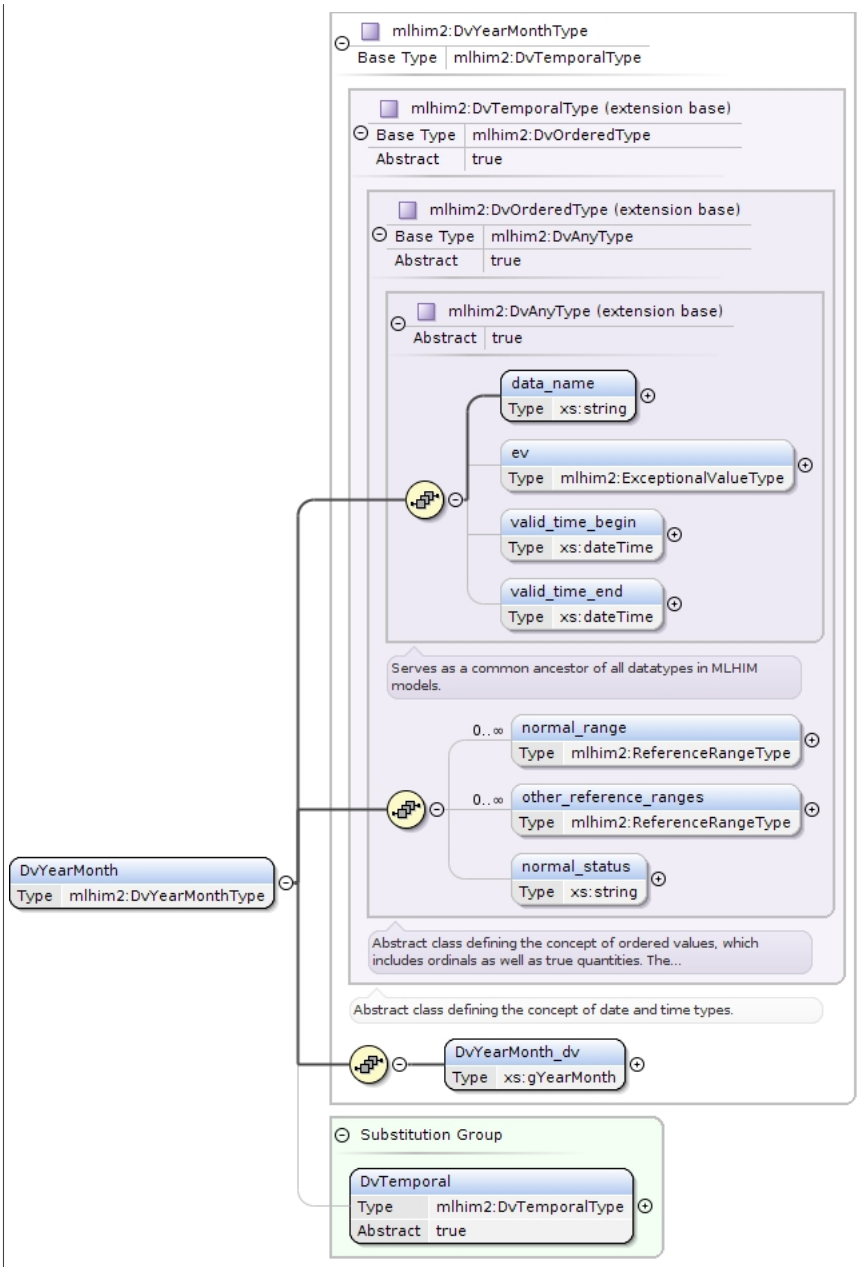
	<mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvYear_dv>{1,1}</mlhim2:DvYear_dv> </mlhim2:DvYear>
Source	<xs:element name="DvYear" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvYearType"/>

Element mlhim2:DvYearType / mlhim2:DvYear_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:gYear
Properties	content: simple
Source	<xs:element name="DvYear_dv" type="xs:gYear"/>

Element mlhim2:DvYearMonth

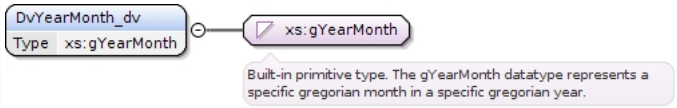
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvYearMonthType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvYearMonthType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvYearMonth_dv
Children	mlhim2:DvYearMonth_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Instance	`<mlhim2:DvYearMonth xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">`
	`<mlhim2:data_name>{1,1}</mlhim2:data_name>`
	`<mlhim2:ev>{0,1}</mlhim2:ev>`
	`<mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>`

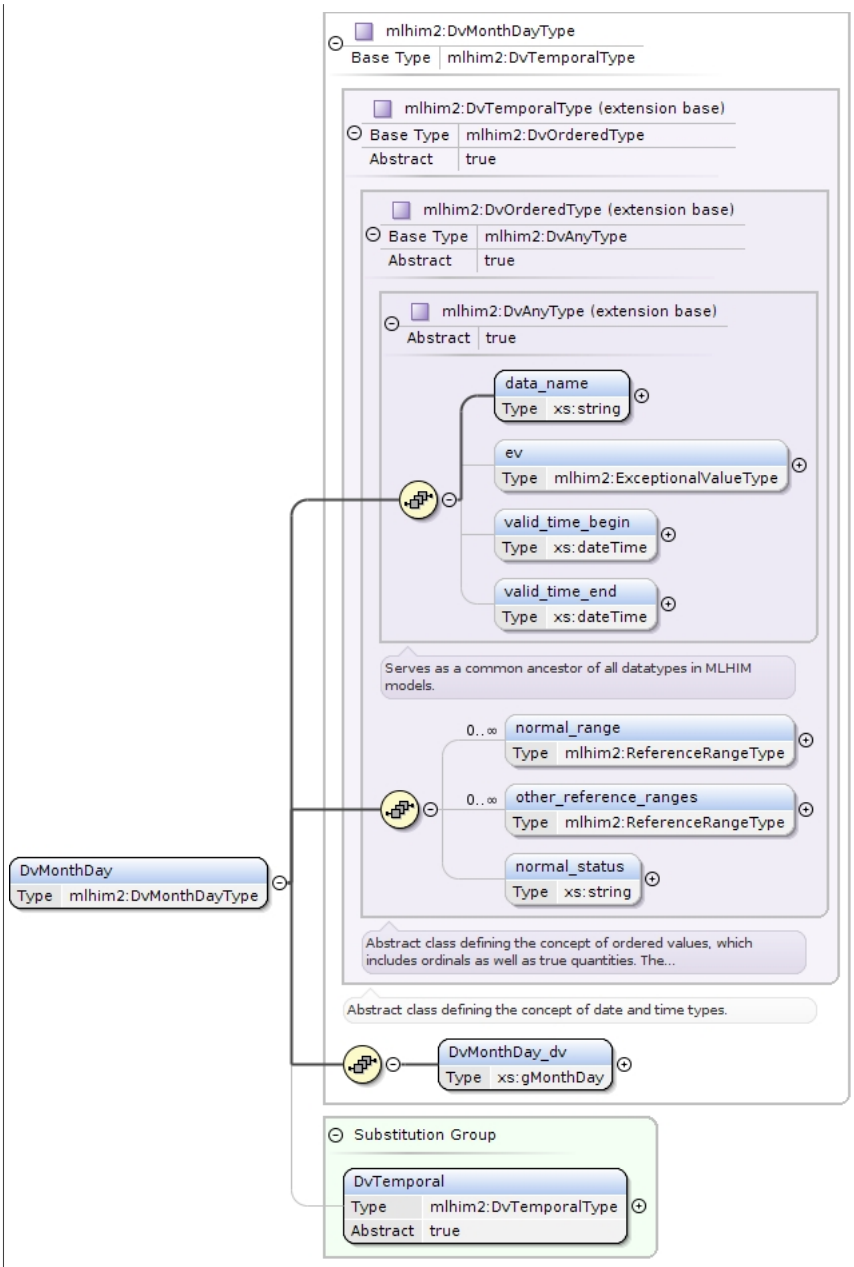
	<mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end> <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range> <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges> <mlhim2:normal_status>{0,1}</mlhim2:normal_status> <mlhim2:DvYearMonth_dv>{1,1}</mlhim2:DvYearMonth_dv> </mlhim2:DvYearMonth>
Source	<xs:element name="DvYearMonth" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvYearMonthType"/>

Element mlhim2:DvYearMonthType / mlhim2:DvYearMonth_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:gYearMonth
Properties	content: simple
Source	<xs:element name="DvYearMonth_dv" type="xs:gYearMonth"/>

Element mlhim2:DvMonthDay

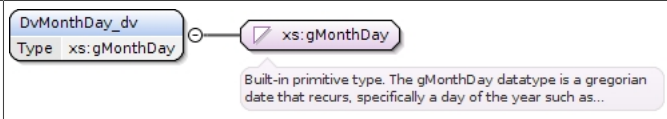
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	mlhim2:DvMonthDayType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvMonthDayType
Properties	content: complex
Substitution Group Affiliation	• mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvMonthDay_dv
Children	mlhim2:DvMonthDay_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Instance	<mlhim2:DvMonthDay xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:data_name>{1,1}</mlhim2:data_name> <mlhim2:ev>{0,1}</mlhim2:ev> <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>

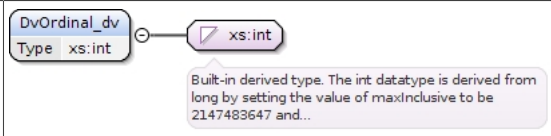
```
  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>
  <mlhim2:normal_range>{0,unbounded}</mlhim2:normal_range>
  <mlhim2:other_reference_ranges>{0,unbounded}</mlhim2:other_reference_ranges>
  <mlhim2:normal_status>{0,1}</mlhim2:normal_status>
  <mlhim2:DvMonthDay_dv>{1,1}</mlhim2:DvMonthDay_dv>
</mlhim2:DvMonthDay>
```

Source: `<xs:element name="DvMonthDay" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvMonthDayType"/>`

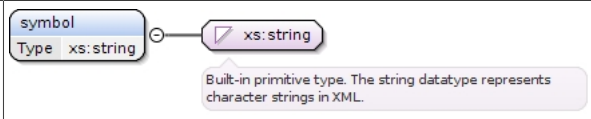
Element `mlhim2:DvMonthDayType / mlhim2:DvMonthDay_dv`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:gMonthDay
Properties	content: simple
Source	`<xs:element name="DvMonthDay_dv" type="xs:gMonthDay"/>`

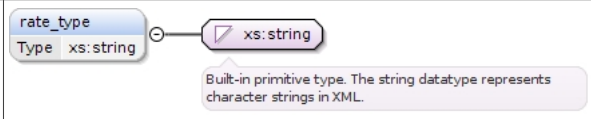
Element `mlhim2:DvOrdinalType / mlhim2:DvOrdinal_dv`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:int
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="1" name="DvOrdinal_dv" type="xs:int"/>`

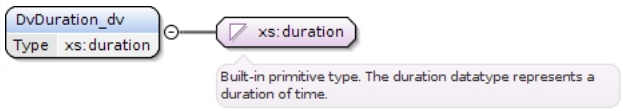
Element `mlhim2:DvOrdinalType / mlhim2:symbol`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="1" name="symbol" type="xs:string"/>`

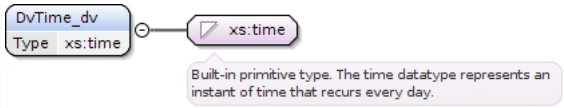
Element `mlhim2:DvRateType / mlhim2:rate_type`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 0 maxOccurs: 1
Source	`<xs:element maxOccurs="1" minOccurs="0" name="rate_type" type="xs:string"/>`

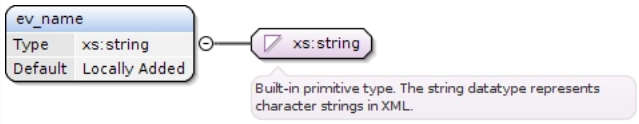
Element `mlhim2:DvDurationType / mlhim2:DvDuration_dv`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:duration
Properties	content: simple
Source	`<xs:element name="DvDuration_dv" type="xs:duration"/>`

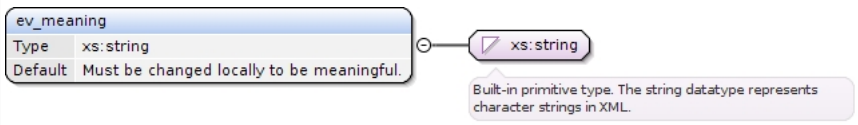
Element `mlhim2:DvTimeType / mlhim2:DvTime_dv`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:time
Properties	content: simple
Source	`<xs:element name="DvTime_dv" type="xs:time"/>`

Element `mlhim2:LAType / mlhim2:ev_name`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple default: Locally Added
Source	`<xs:element default="Locally Added" name="ev_name" type="xs:string"/>`

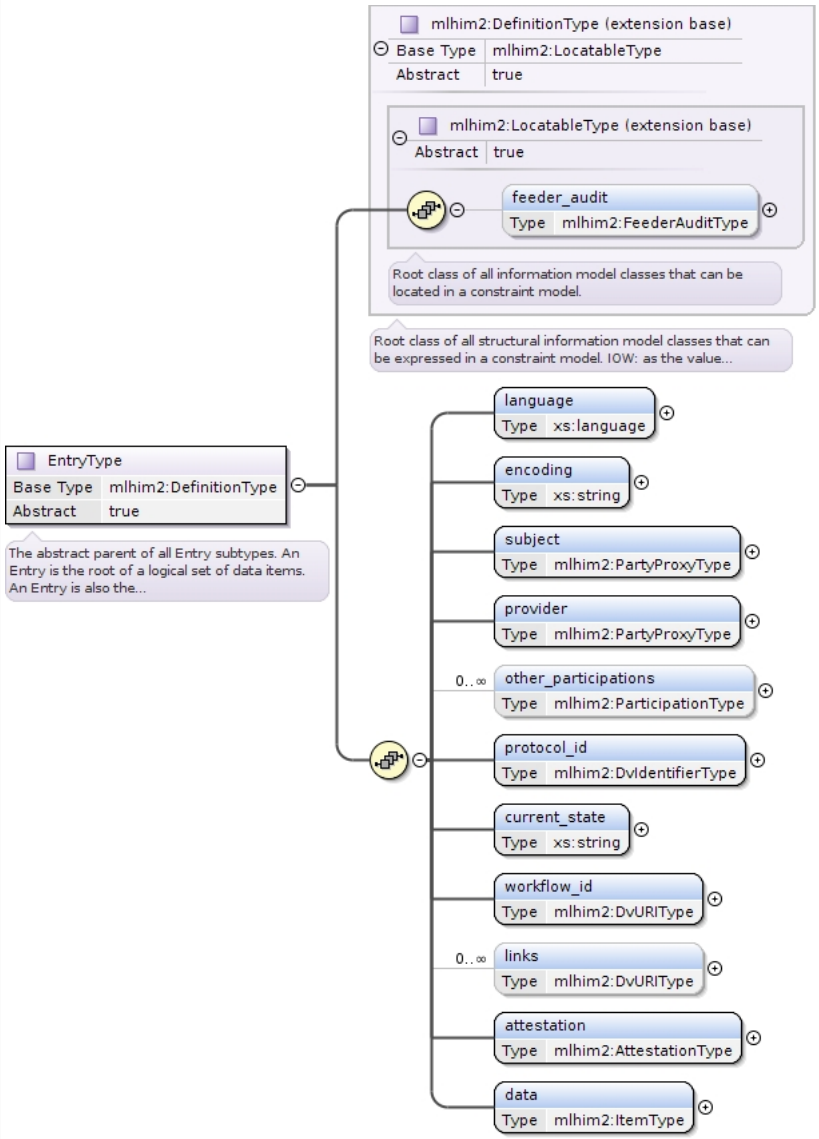
Element `mlhim2:LAType / mlhim2:ev_meaning`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple default: Must be changed locally to be meaningful.
Source	`<xs:element default="Must be changed locally to be meaningful." name="ev_meaning" type="xs:string"/>`

Complex Type(s)

Complex Type `mlhim2:EntryType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The abstract parent of all Entry subtypes. An Entry is the root of a logical set of data items. An Entry is also the minimal unit of information any query should return, since a whole Entry (including sub-parts) records spatial structure, timing information, and contextual information, as well as the subject and generator of the information; required for complete semantic interoperability.

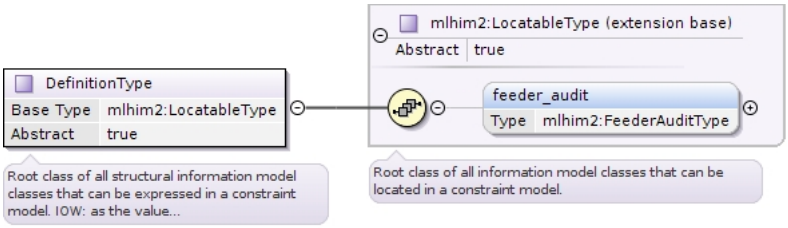
	Each subtype has identical attribute information. The subtyping is used to allow persistence to separate the types of Entries; primarily import in healthcare for the de-identification of clinical information.
Diagram	
Type	extension of mlhim2:DefinitionType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:EntryType

Properties	abstract: true
Used by	Element: mlhim2:Entry Complex Types: mlhim2:AdminEntryType, mlhim2:CareEntryType, mlhim2:DemographicEntryType
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Source	<xs:complexType abstract="true" name="EntryType"> <xs:annotation> <xs:documentation>The abstract parent of all Entry subtypes. An Entry is the root of a logical set of data items. An Entry is also the minimal unit of information any query should return, since a whole Entry (including sub-parts) records spatial structure, timing information, and contextual information, as well as the subject and generator of the information; required for complete semantic interoperability. Each subtype has identical attribute information. The subtyping is used

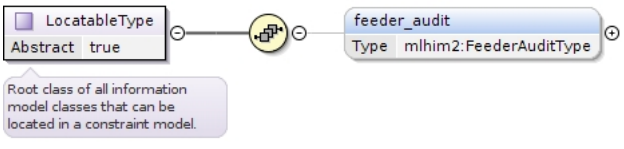
```
 to allow persistence to separate the types of Entries; primarily import in healthcare for the de-
identification of clinical information.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="mlhim2:DefinitionType">
      <xs:sequence>
        <xs:element maxOccurs="1" minOccurs="1" name="language" type="xs:language"/>
        <xs:element name="encoding" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="1" name="subject" type="mlhim2:PartyProxyType"/>
        <xs:element name="provider" type="mlhim2:PartyProxyType"/>
        <xs:element maxOccurs="unbounded" minOccurs="0" name="other_participations"
 type="mlhim2:ParticipationType"/>
        <xs:element name="protocol_id" type="mlhim2:DvIdentifierType"/>
        <xs:element name="current_state" type="xs:string"/>
        <xs:element name="workflow_id" type="mlhim2:DvURIType"/>
        <xs:element maxOccurs="unbounded" minOccurs="0" name="links" type="mlhim2:DvURIType"/>
        <xs:element name="attestation" type="mlhim2:AttestationType"/>
        <xs:element name="data" type="mlhim2:ItemType"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:DefinitionType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Root class of all structural information model classes that can be expressed in a constraint model. IOW:  as the value of the CCD.definition attribute.`
Diagram	
Type	extension of mlhim2:LocatableType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType
Properties	abstract: `true`
Used by	Complex Types: mlhim2:EntryType, mlhim2:ItemType Elements: mlhim2:CCDType/mlhim2:definition, mlhim2:Definition
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit

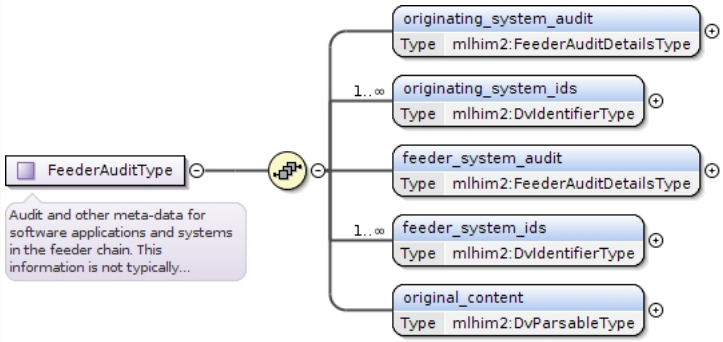
Source	`<xs:complexType abstract="true" name="DefinitionType">`
	`  <xs:annotation>`
	`  <xs:documentation>Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value of the CCD.definition attribute.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:LocatableType"/>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:LocatableType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Root class of all information model classes that can be located in a constraint model.`
Diagram	
Properties	abstract: `true`

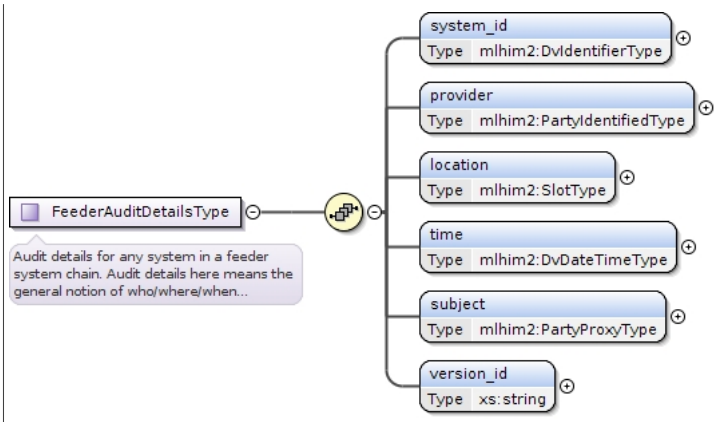
Used by	Complex Types	mlhim2:AttestationType, mlhim2:DefinitionType, mlhim2:PartyProxyType
	Element	mlhim2:Locatable
Model	mlhim2:feeder_audit{0,1}	
Children	mlhim2:feeder_audit	
Source	<xs:complexType abstract="true" name="LocatableType"> <xs:annotation> <xs:documentation>Root class of all information model classes that can be located in a constraint model.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" name="feeder_audit" type="mlhim2:FeederAuditType"/> </xs:sequence> </xs:complexType>	

Complex Type `mlhim2:FeederAuditType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Audit and other meta-data for software applications and systems in the feeder chain. This information is not typically used by modellers but by the applications themselves to "tag" entries when performing an extract.
Diagram	
Used by	Elements mlhim2:FeederAudit, mlhim2:LocatableType/mlhim2:feeder_audit	
Model	mlhim2:originating_system_audit , mlhim2:originating_system_ids+ , mlhim2:feeder_system_audit , mlhim2:feeder_system_ids+ , mlhim2:original_content	
Children	mlhim2:feeder_system_audit, mlhim2:feeder_system_ids, mlhim2:original_content, mlhim2:originating_system_audit, mlhim2:originating_system_ids	
Source	<xs:complexType name="FeederAuditType"> <xs:annotation> <xs:documentation>Audit and other meta-data for software applications and systems in the feeder chain. This information is not typically used by modellers but by the applications themselves to "tag" entries when performing an extract.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element maxOccurs="1" minOccurs="1" name="originating_system_audit" type="mlhim2:FeederAuditDetailsType"/> <xs:element maxOccurs="unbounded" minOccurs="1" name="originating_system_ids" type="mlhim2:DvIdentifierType"/> <xs:element name="feeder_system_audit" type="mlhim2:FeederAuditDetailsType"/> <xs:element maxOccurs="unbounded" minOccurs="1" name="feeder_system_ids" type="mlhim2:DvIdentifierType"/> <xs:element maxOccurs="1" minOccurs="1" name="original_content" type="mlhim2:DvParsableType"/> </xs:sequence> </xs:complexType>	

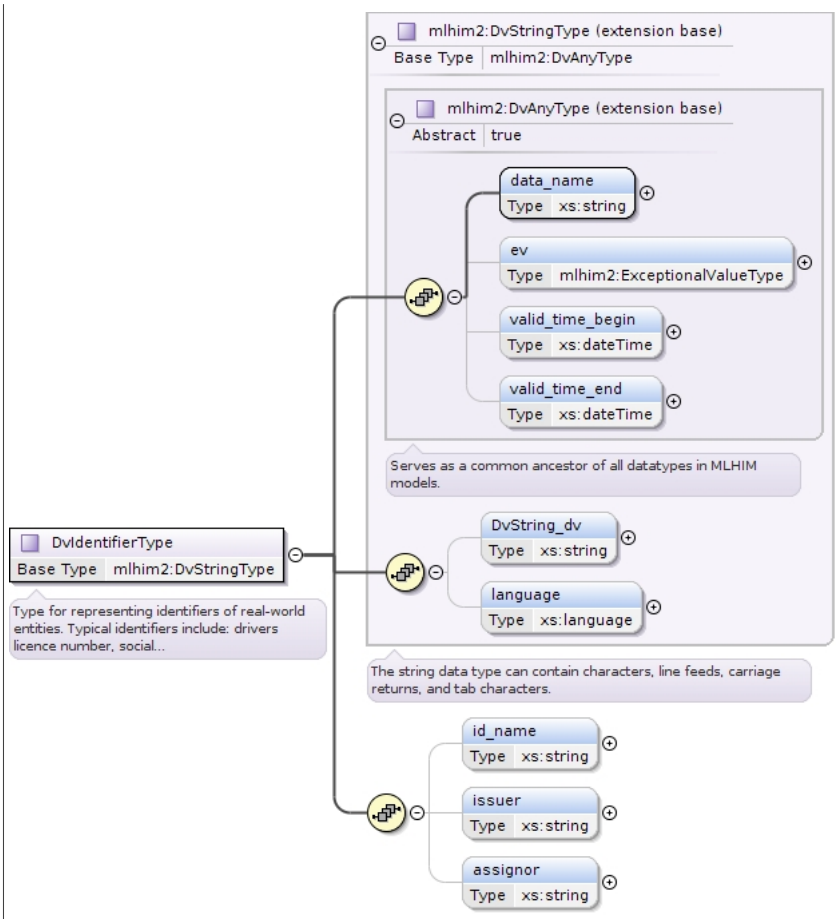
Complex Type `mlhim2:FeederAuditDetailsType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Audit details for any system in a feeder system chain. Audit details here means the general notion of who/where/when the information item to which the audit is attached was created. None of the attributes are defined as mandatory, however, in different scenarios, various combinations of attributes will usually be mandatory. This can be controlled by specifying feeder audit details in CCDs used when conjunction with non-MLHIM systems as interface definitions.

Diagram	
Used by	Elements mlhim2:FeederAuditDetails, mlhim2:FeederAuditType/mlhim2:feeder_system_audit, mlhim2:FeederAuditType/mlhim2:originating_system_audit
Model	mlhim2:system_id , mlhim2:provider , mlhim2:location , mlhim2:time , mlhim2:subject , mlhim2:version_id
Children	mlhim2:location, mlhim2:provider, mlhim2:subject, mlhim2:system_id, mlhim2:time, mlhim2:version_id
Source	`<xs:complexType name="FeederAuditDetailsType">` `<xs:annotation>` `<xs:documentation>Audit details for any system in a feeder system chain. Audit details here means the general notion of who/where/when the information item to which the audit is attached was created. None of the attributes are defined as mandatory, however, in different scenarios, various combinations of attributes will usually be mandatory. This can be controlled by specifying feeder audit details in CCDs used when conjunction with non-MLHIM systems as interface definitions.</xs:documentation>` `</xs:annotation>` `<xs:sequence>` `<xs:element name="system_id" type="mlhim2:DvIdentifierType"/>` `<xs:element name="provider" type="mlhim2:PartyIdentifiedType"/>` `<xs:element name="location" type="mlhim2:SlotType"/>` `<xs:element name="time" type="mlhim2:DvDateTimeType"/>` `<xs:element name="subject" type="mlhim2:PartyProxyType"/>` `<xs:element name="version_id" type="xs:string"/>` `</xs:sequence>` `</xs:complexType>`

Complex Type `mlhim2:DvIdentifierType`

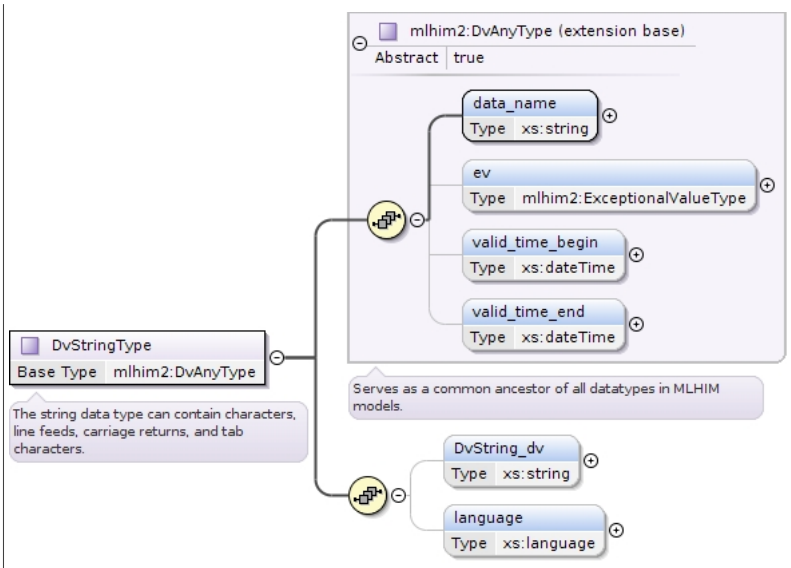
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Type for representing identifiers of real-world entities. Typical identifiers include: drivers licence number, social security number, veterans affairs number, prescription id, order id, system id and so on.

Diagram	
Type	extension of mlhim2:DvStringType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvStringType • mlhim2:DvIdentifierType
Used by	Elements: mlhim2:DvIdentifier, mlhim2:EntryType/mlhim2:protocol_id, mlhim2:FeederAuditDetailsType/mlhim2:system_id, mlhim2:FeederAuditType/mlhim2:feeder_system_ids, mlhim2:FeederAuditType/mlhim2:originating_system_ids, mlhim2:PartyIdentifiedType/mlhim2:identities
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:id_name{0,1} , mlhim2:issuer{0,1} , mlhim2:assignor{0,1}
Children	mlhim2:DvString_dv, mlhim2:assignor, mlhim2:data_name, mlhim2:ev, mlhim2:id_name, mlhim2:issuer, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType name="DvIdentifierType">`
	`<xs:annotation>`
	`<xs:documentation>Type for representing identifiers of real-world entities. Typical identifiers include: drivers licence number, social security number, veterans affairs number, prescription id, order id, system id and so on.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexContent>`
	`<xs:extension base="mlhim2:DvStringType">`
	`<xs:sequence>`
	`<xs:element maxOccurs="1" minOccurs="0" name="id_name" type="xs:string"/>`
	`<xs:element maxOccurs="1" minOccurs="0" name="issuer" type="xs:string"/>`
	`<xs:element maxOccurs="1" minOccurs="0" name="assignor" type="xs:string"/>`
	`</xs:sequence>`
	`</xs:extension>`
	`</xs:complexContent>`
	`</xs:complexType>`

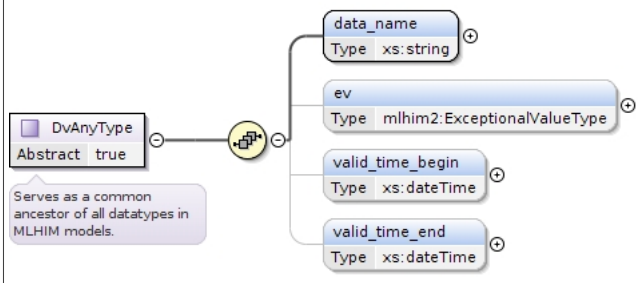
Complex Type `mlhim2:DvStringType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The string data type can contain characters, line feeds, carriage returns, and tab characters.

Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvStringType
Used by	Complex Types: mlhim2:DvCodedStringType, mlhim2:DvIdentifierType Element: mlhim2:DvString
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:valid_time_begin, mlhim2:valid_time_end

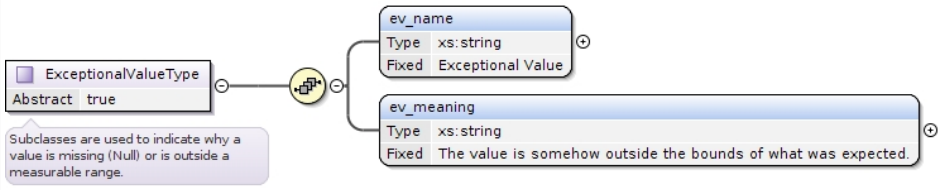
Source	`<xs:complexType name="DvStringType">`
	`  <xs:annotation>`
	`  <xs:documentation>The string data type can contain characters, line feeds, carriage returns, and tab characters.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DvAnyType">`
	`  <xs:sequence>`
	`  <xs:element minOccurs="0" name="DvString_dv" type="xs:string"/>`
	`  <xs:element maxOccurs="1" minOccurs="0" name="language" type="xs:language"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:DvAnyType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Serves as a common ancestor of all datatypes in MLHIM models.`
Diagram	
Properties	abstract: `true`
Used by	Complex Types: mlhim2:DvBooleanType, mlhim2:DvEncapsulatedType, mlhim2:DvIntervalType, mlhim2:DvOrderedType, mlhim2:DvStringType, mlhim2:DvURIType, mlhim2:ReferenceRangeType Elements: mlhim2:DvAny, mlhim2:ElementType/mlhim2:Element_dv
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1}

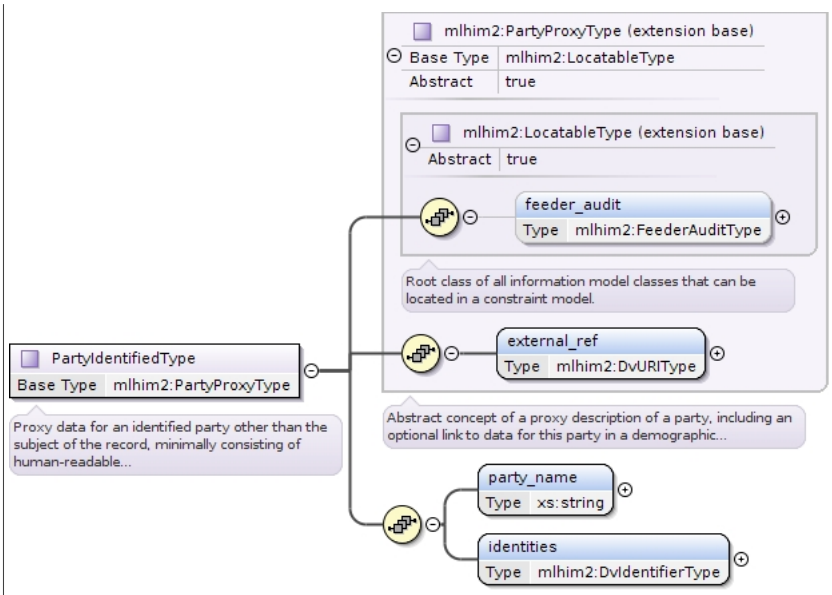
Children	mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType abstract="true" name="DvAnyType"> <xs:annotation> <xs:documentation>Serves as a common ancestor of all datatypes in MLHIM models.</ xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="data_name" type="xs:string" maxOccurs="1" minOccurs="1"/> <xs:element maxOccurs="1" minOccurs="0" name="ev" nillable="true" type="mlhim2:ExceptionalValueType"/> <xs:element maxOccurs="1" minOccurs="0" name="valid_time_begin" nillable="true" type="xs:dateTime"/> <xs:element maxOccurs="1" minOccurs="0" name="valid_time_end" nillable="true" type="xs:dateTime"/> </xs:sequence> </xs:complexType>

Complex Type `mlhim2:ExceptionalValueType`

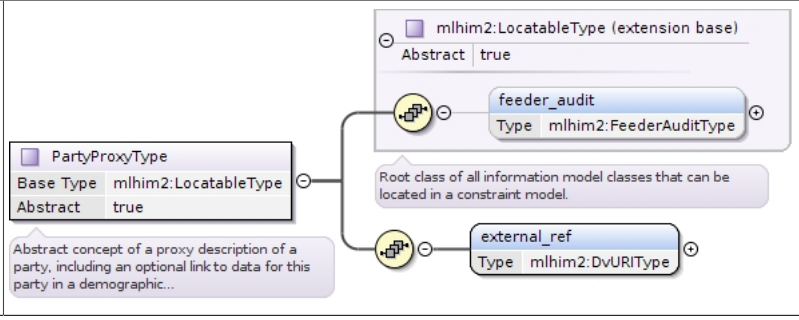
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Subclasses are used to indicate why a value is missing (Null) or is outside a measurable range.
Diagram	
Properties	abstract: true
Used by	Elements: mlhim2:DvAnyType/mlhim2:ev, mlhim2:ExceptionalValue Complex Types: mlhim2:LAType, mlhim2:NIType
Model	mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType abstract="true" name="ExceptionalValueType"> <xs:annotation> <xs:documentation>Subclasses are used to indicate why a value is missing (Null) or is outside a measurable range.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element fixed="Exceptional Value" name="ev_name" type="xs:string"/> <xs:element fixed="The value is somehow outside the bounds of what was expected." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:complexType>

Complex Type `mlhim2:PartyIdentifiedType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Proxy data for an identified party other than the subject of the record, minimally consisting of human-readable identifier(s), such as name, formal (and possibly computable) identifiers such as NHS number, and an optional link to external data. There must be at least one of name, identifier or external_ref present.Used to describe parties where only identifiers may be known, and there is no entry at all in the demographic system (or even no demographic system). Typically for health care providers, e.g. name and provider number of an institution. Should not be used to include patient identifying information.

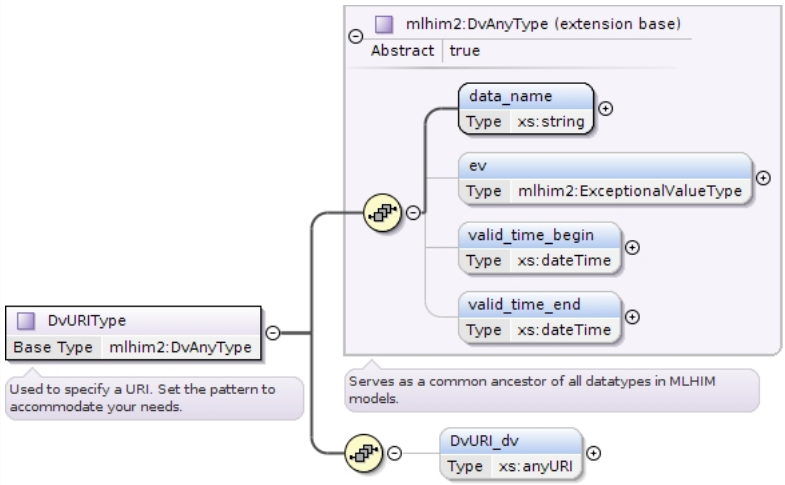
Diagram	
Type	extension of mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType • mlhim2:PartyIdentifiedType
Used by	Elements mlhim2:FeederAuditDetailsType/mlhim2:provider, mlhim2:PartyIdentified
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref , mlhim2:party_name , mlhim2:identities
Children	mlhim2:external_ref, mlhim2:feeder_audit, mlhim2:identities, mlhim2:party_name
Source	`<xs:complexType name="PartyIdentifiedType">` `<xs:annotation>` `<xs:documentation>Proxy data for an identified party other than the subject of the record, minimally consisting of human-readable identifier(s), such as name, formal (and possibly computable) identifiers such as NHS number, and an optional link to external data. There must be at least one of name, identifier or external_ref present.Used to describe parties where only identifiers may be known, and there is no entry at all in the demographic system (or even no demographic system). Typi- cally for health care providers, e.g. name and provider number of an institution. Should not be used to include patient identifying information.</xs:documentation>` `</xs:annotation>` `<xs:complexContent>` `<xs:extension base="mlhim2:PartyProxyType">` `<xs:sequence>` `<xs:element name="party_name" type="xs:string"/>` `<xs:element name="identities" type="mlhim2:DvIdentifierType"/>` `</xs:sequence>` `</xs:extension>` `</xs:complexContent>` `</xs:complexType>`

Complex Type `mlhim2:PartyProxyType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Abstract concept of a proxy description of a party, including an optional link to data for this party in a demographic or other identity management system. Sub-typed into PartyIdentified and PartySelf.`
Diagram	

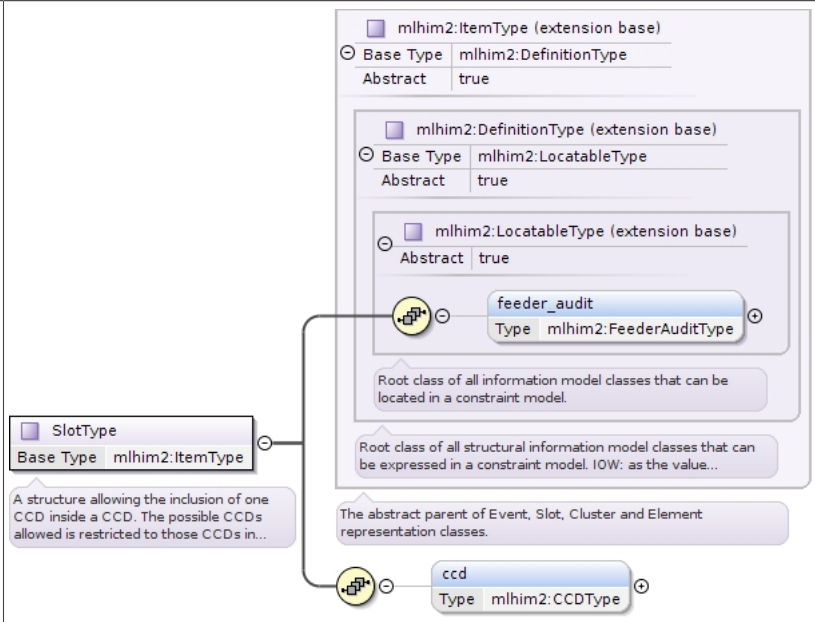
Type	extension of mlhim2:LocatableType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType
Properties	abstract: true
Used by	Complex Types: mlhim2:PartyIdentifiedType, mlhim2:PartySelfType Elements: mlhim2:AttestationType/mlhim2:committer, mlhim2:EntryType/mlhim2:provider, mlhim2:EntryType/mlhim2:subject, mlhim2:FeederAuditDetailsType/mlhim2:subject, mlhim2:ParticipationType/mlhim2:performer, mlhim2:PartyProxy
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Source	<xs:complexType abstract="true" name="PartyProxyType"> <xs:annotation> <xs:documentation>Abstract concept of a proxy description of a party, including an optional link to data for this party in a demographic or other identity management system. Sub- typed into PartyIdentified and PartySelf.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:LocatableType"> <xs:sequence> <xs:element name="external_ref" type="mlhim2:DvURIType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvURIType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Used to specify a URI. Set the pattern to accommodate your needs.
Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvURIType
Used by	Elements: mlhim2:DvURI, mlhim2:EntryType/mlhim2:links, mlhim2:EntryType/mlhim2:workflow_id, mlhim2:PartyProxyType/mlhim2:external_ref
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvURI_dv{0,1}
Children	mlhim2:DvURI_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvURIType"> <xs:annotation> <xs:documentation>Used to specify a URI. Set the pattern to accommodate your needs.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvAnyType"> <xs:sequence> <xs:element minOccurs="0" name="DvURI_dv" type="xs:anyURI"/>

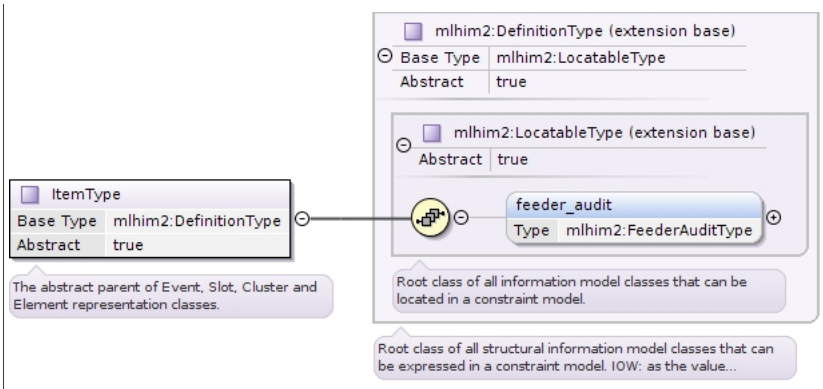
```
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:SlotType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	A structure allowing the inclusion of one CCD inside a CCD. The possible CCDs allowed is restricted to those CCDs in the allowed_ccds attribute.
Diagram	
Type	extension of mlhim2:ItemType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:ItemType • mlhim2:SlotType
Used by	Elements mlhim2:FeederAuditDetailsType/mlhim2:location, mlhim2:Slot
Model	mlhim2:feeder_audit{0,1} , mlhim2:ccd{0,1}
Children	mlhim2:ccd, mlhim2:feeder_audit
Source	<xs:complexType name="SlotType"> <xs:annotation> <xs:documentation>A structure allowing the inclusion of one CCD inside a CCD. The possible CCDs allowed is restricted to those CCDs in the allowed_ccds attribute.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:ItemType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="0" name="ccd" type="mlhim2:CCDType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

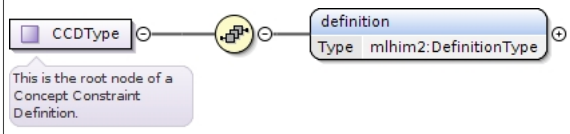
Complex Type `mlhim2:ItemType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The abstract parent of Event, Slot, Cluster and Element representation classes.

Diagram	
Type	extension of mlhim2:DefinitionType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:ItemType
Properties	abstract: `true`
Used by	Complex Types: mlhim2:ClusterType, mlhim2:ElementType, mlhim2:SlotType Elements: mlhim2:ClusterType/mlhim2:items, mlhim2:EntryType/mlhim2:data, mlhim2:Item
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit

Source	`<xs:complexType abstract="true" name="ItemType">`
	`  <xs:annotation>`
	`  <xs:documentation>The abstract parent of Event, Slot, Cluster and Element representation classes.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DefinitionType"/>`
	`  </xs:complexContent>`
	`</xs:complexType>`

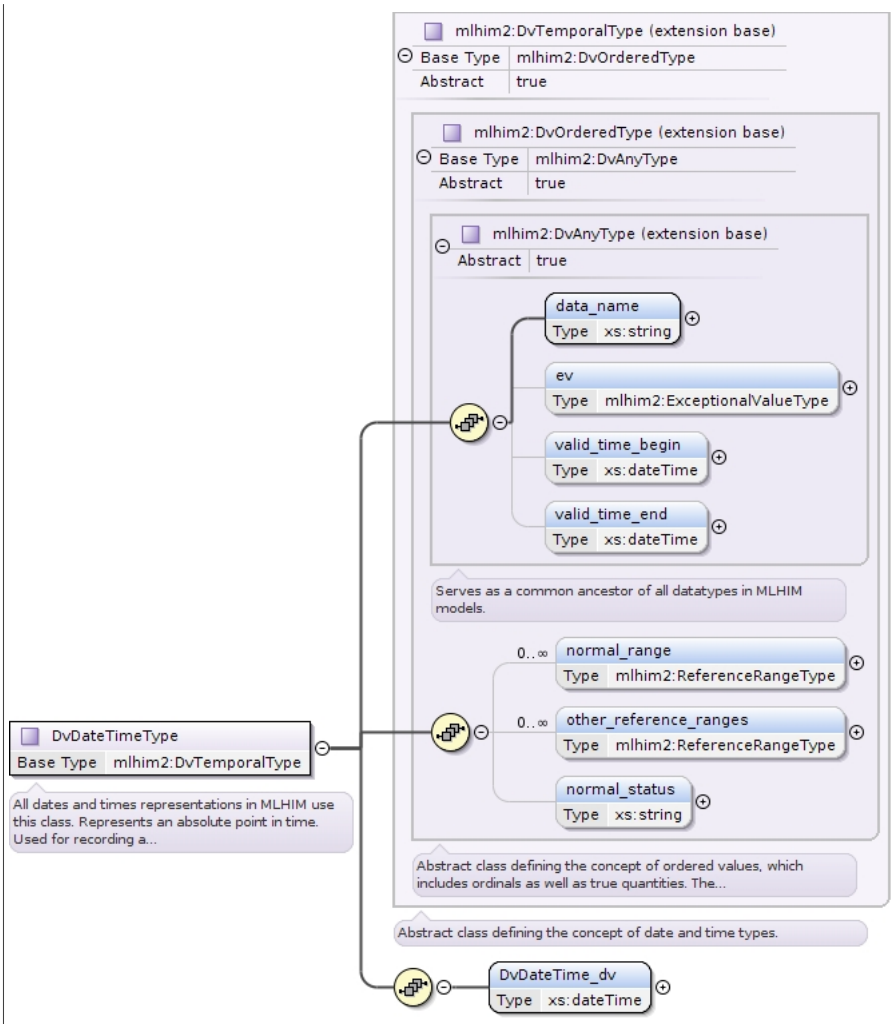
Complex Type `mlhim2:CCDType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	This is the root node of a Concept Constraint Definition.
Diagram	
Used by	Element: mlhim2:SlotType/mlhim2:ccd
Model	mlhim2:definition
Children	mlhim2:definition

Source	`<xs:complexType name="CCDType">`
	`  <xs:annotation>`
	`  <xs:documentation>This is the root node of a Concept Constraint Definition.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:sequence>`
	`  <xs:element name="definition" type="mlhim2:DefinitionType"/>`
	`  </xs:sequence>`
	`</xs:complexType>`

Complex Type `mlhim2:DvDateTimeType`

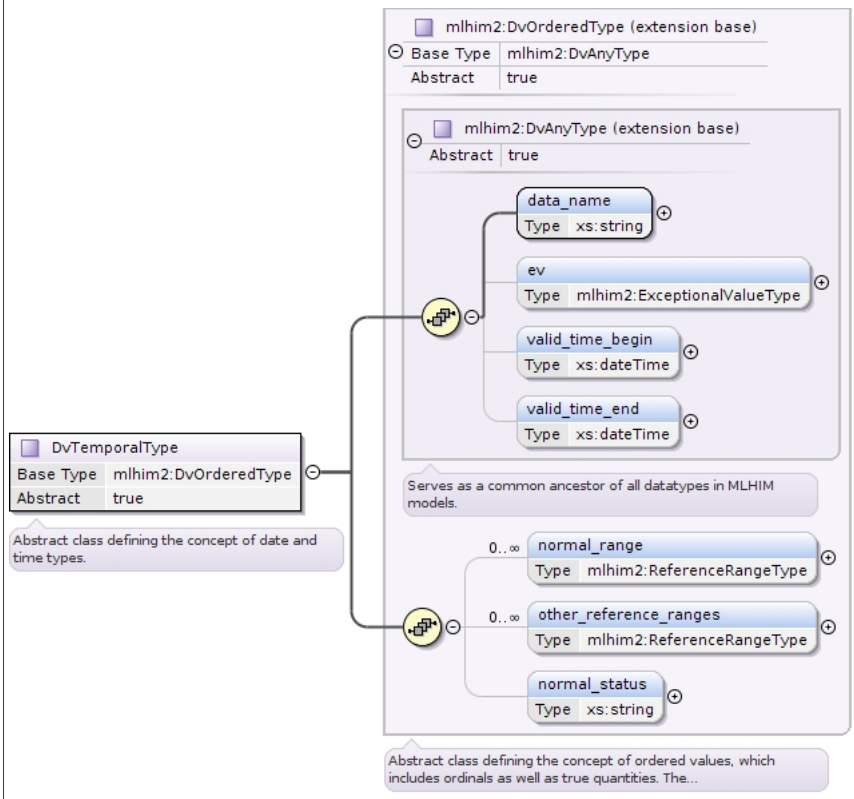
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	All dates and times representations in MLHIM use this class. Represents an absolute point in time. Used for recording a precise point in real world time, and for approximate time stamps which may only be partially known. All dates and times are assumed to be in the "current era"; somewhere between 0001-01-01T00:00:00Z and 9999-12-31T23:59:59Z AD.

Diagram	
Type	extension of mlhim2:DvTemporalType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvDateTimeType

Used by	Elements mlhim2:AttestationType/mlhim2:time_commmitted, mlhim2:DvDateTime, mlhim2:DvTime, mlhim2:FeederAuditDetailsType/mlhim2:time, mlhim2:ParticipationType/mlhim2:end_time, mlhim2:ParticipationType/mlhim2:start_time
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDateTime_dv
Children	mlhim2:DvDateTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvDateTimeType"> <xs:annotation> <xs:documentation>All dates and times representations in MLHIM use this class. Represents an absolute point in time. Used for recording a precise point in real world time, and for approximate time stamps which may only be partially known. All dates and times are assumed to be in the "current era"; somewhere between 0001-01-01T00:00:00Z and 9999-12-31T23:59:59Z AD.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvDateTime_dv" type="xs:dateTime"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvTemporalType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Abstract class defining the concept of date and time types.`
Diagram	
Type	extension of mlhim2:DvOrderedType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType

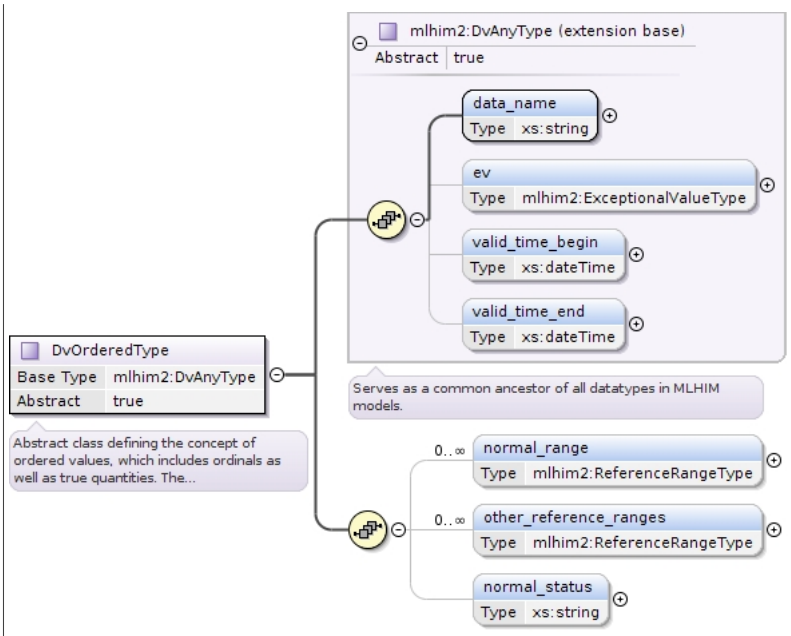
Properties	abstract: `true`
Used by	Complex Types: mlhim2:DvDateTimeType, mlhim2:DvDateType, mlhim2:DvDayType, mlhim2:DvDurationType, mlhim2:DvMonthDayType, mlhim2:DvMonthType, mlhim2:DvTimeType, mlhim2:DvYearMonthType, mlhim2:DvYearType Element: mlhim2:DvTemporal
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType abstract="true" name="DvTemporalType">`
	`  <xs:annotation>`
	`  <xs:documentation>Abstract class defining the concept of date and time types.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DvOrderedType">`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:DvOrderedType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Annotations	`Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities.`
	
	`The implementations require the functions '<', '>' and is_strictly_comparable_to ('==').`

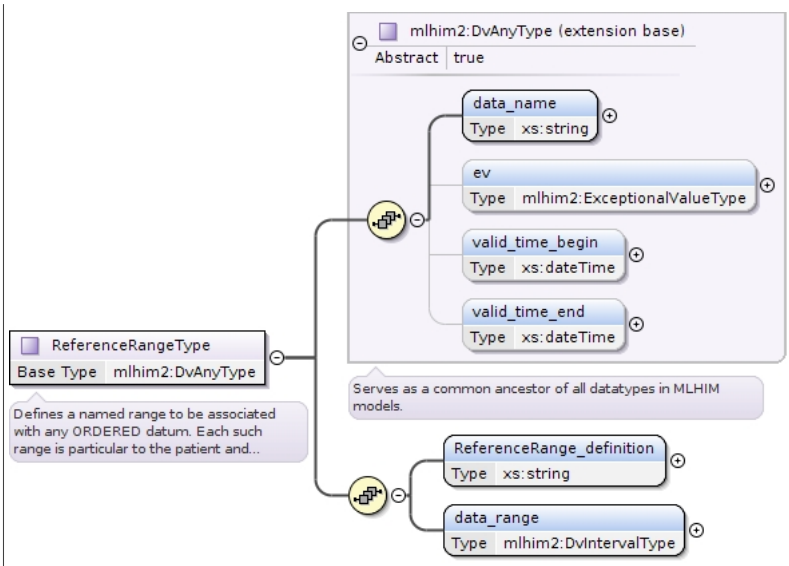
Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType
Properties	abstract: `true`
Used by	Complex Types: mlhim2:DvOrdinalType, mlhim2:DvQuantifiedType, mlhim2:DvTemporalType Elements: mlhim2:DvIntervalType/mlhim2:lower, mlhim2:DvIntervalType/mlhim2:upper, mlhim2:DvOrdered
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1}
Children	mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType abstract="true" name="DvOrderedType">`
	`  <xs:annotation>`
	`  <xs:documentation>Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The implementations require the functions ‘<’, '>' and is_strictly_comparable_to ('==').</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DvAnyType">`
	`  <xs:sequence>`
	`  <xs:element maxOccurs="unbounded" minOccurs="0" name="normal_range" type="mlhim2:ReferenceRangeType"/>`
	`  <xs:element maxOccurs="unbounded" minOccurs="0" name="other_reference_ranges" type="mlhim2:ReferenceRangeType"/>`
	`  <xs:element maxOccurs="1" minOccurs="0" name="normal_status" type="xs:string"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:ReferenceRangeType`

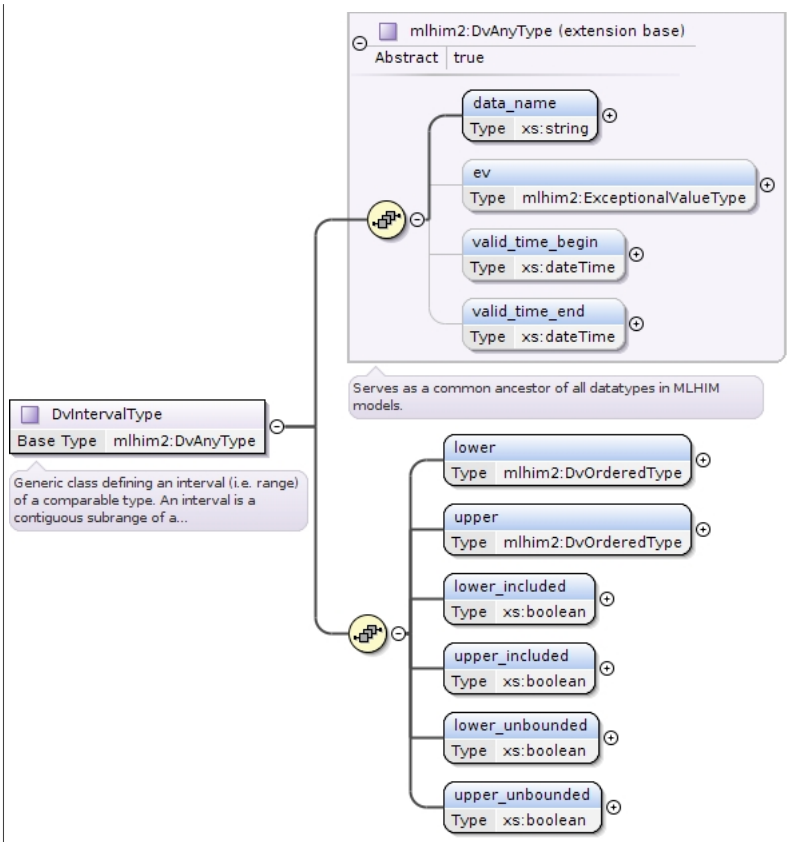
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Annotations	`Defines a named range to be associated with any ORDERED datum. Each such range is particular to the patient and context, e.g. sex, age, and any other factor which affects ranges.`
	
	`May be used to represent normal, therapeutic, dangerous, critical etc ranges.`

Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:ReferenceRangeType
Used by	Elements mlhim2:DvOrderedType/mlhim2:normal_range, mlhim2:DvOrderedType/ mlhim2:other_reference_ranges, mlhim2:ReferenceRange
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:ReferenceRange_definition , mlhim2:data_range
Children	mlhim2:ReferenceRange_definition, mlhim2:data_name, mlhim2:data_range, mlhim2:ev, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="ReferenceRangeType"> <xs:annotation> <xs:documentation>Defines a named range to be associated with any ORDERED datum. Each such range is particular to the patient and context, e.g. sex, age, and any other factor which affects ranges. May be used to represent normal, therapeutic, dangerous, critical etc ranges.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvAnyType"> <xs:sequence> <xs:element name="ReferenceRange_definition" type="xs:string"/> <xs:element maxOccurs="1" minOccurs="1" name="data_range" type="mlhim2:DvIntervalType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

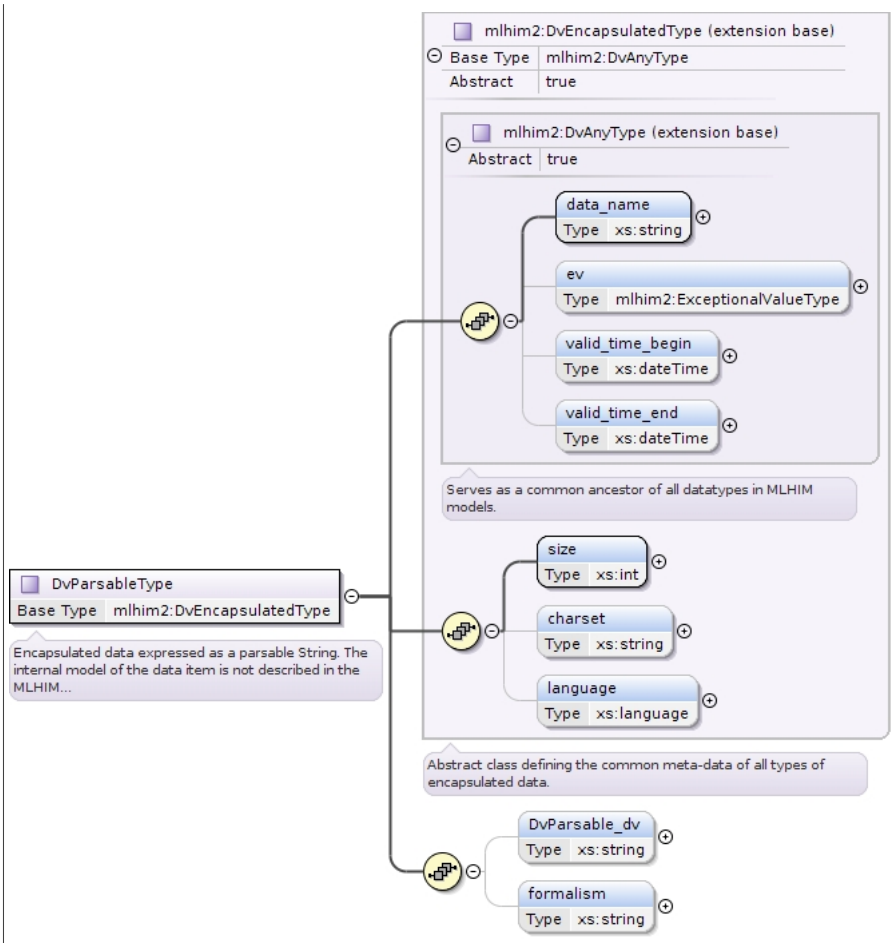
Complex Type `mlhim2:DvIntervalType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Generic class defining an interval (i.e. range) of a comparable type. An interval is a contiguous subrange of a comparable base type. Used to define intervals of dates, times, quantities Whose units match and datatypes are the same and are ordered. If the implementation technology has a concept of intervals AND the technology provides for multiple inheritance, then this class may inherit directly from it.

Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvIntervalType
Used by	Elements mlhim2:DvInterval, mlhim2:ReferenceRangeType/mlhim2:data_range
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:lower , mlhim2:upper , mlhim2:lower_included , mlhim2:upper_included , mlhim2:lower_unbounded , mlhim2:upper_unbounded
Children	mlhim2:data_name, mlhim2:ev, mlhim2:lower, mlhim2:lower_included, mlhim2:lower_unbounded, mlhim2:upper, mlhim2:upper_included, mlhim2:upper_unbounded, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvIntervalType"> <xs:annotation> <xs:documentation>Generic class defining an interval (i.e. range) of a comparable type. An interval is a contiguous subrange of a comparable base type. Used to define intervals of dates, times, quantities Whose units match and datatypes are the same and are ordered. If the implementation technology has a concept of intervals AND the technology provides for multiple inheritance, then this class may inherit directly from it.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvAnyType"> <xs:sequence> <xs:element name="lower" type="mlhim2:DvOrderedType"/> <xs:element name="upper" type="mlhim2:DvOrderedType"/> <xs:element name="lower_included" type="xs:boolean"/> <xs:element name="upper_included" type="xs:boolean"/> <xs:element name="lower_unbounded" type="xs:boolean"/> <xs:element name="upper_unbounded" type="xs:boolean"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvParsableType`

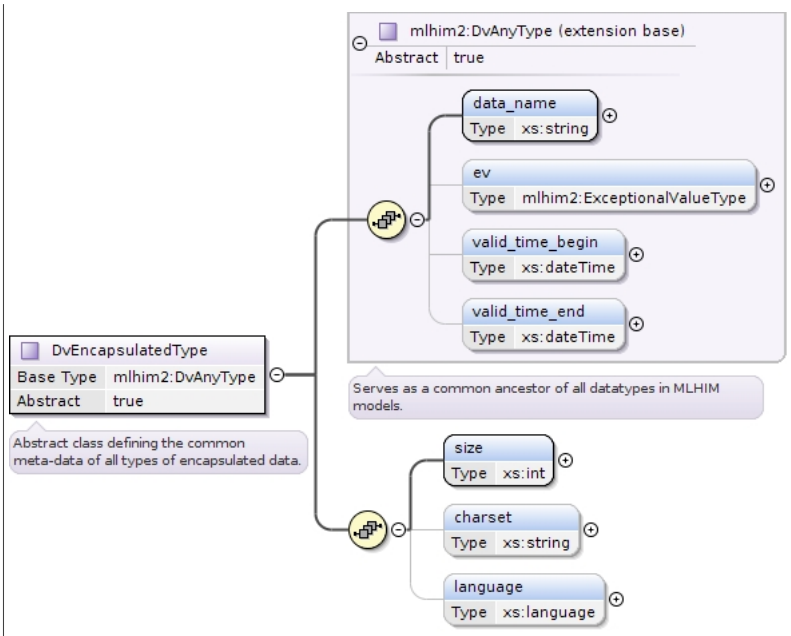
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Encapsulated data expressed as a parsable String. The internal model of the data item is not described in the MLHIM model in common with other encapsulated types, but in this case, the form of the data is assumed to be plaintext, rather than compressed or other types of large binary data.

Diagram	
Type	extension of mlhim2:DvEncapsulatedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvEncapsulatedType • mlhim2:DvParsableType
Used by	Elements mlhim2:AttestationType/mlhim2:proof, mlhim2:DvParsable, mlhim2:FeederAuditType/mlhim2:original_content
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:DvParsable_dv{0,1} , mlhim2:formalism{0,1}
Children	mlhim2:DvParsable_dv, mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:formalism, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	<pre><xs:complexType name="DvParsableType">
	  <xs:annotation>
	  <xs:documentation>Encapsulated data expressed as a parsable String. The internal model of the data item is not described in the MLHIM model in common with other encapsulated types, but in this case, the form of the data is assumed to be plaintext, rather than compressed or other types of large binary data.</xs:documentation>
	  </xs:annotation>
	  <xs:complexContent>
	  <xs:extension base="mlhim2:DvEncapsulatedType">
	  <xs:sequence>
	  <xs:element minOccurs="0" name="DvParsable_dv" type="xs:string"/>
	  <xs:element maxOccurs="1" minOccurs="0" name="formalism" type="xs:string"/>
	  </xs:sequence>
	  </xs:extension>
	  </xs:complexContent>
	</xs:complexType></pre>

Complex Type `mlhim2:DvEncapsulatedType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Abstract class defining the common meta-data of all types of encapsulated data.

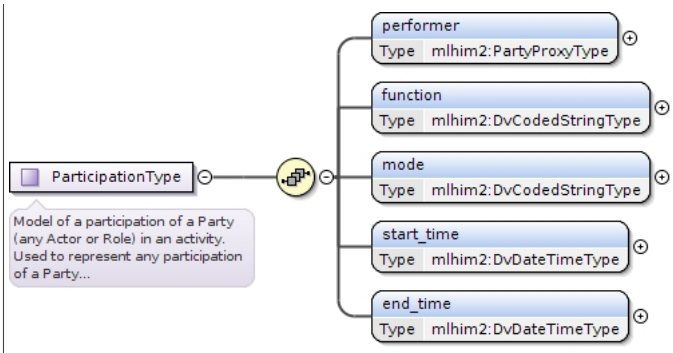
Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvEncapsulatedType
Properties	abstract: `true`
Used by	Complex Types: mlhim2:DvMediaType, mlhim2:DvParsableType Element: mlhim2:DvEncapsulated
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1}
Children	mlhim2:charset, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:size, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType abstract="true" name="DvEncapsulatedType">`
	`  <xs:annotation>`
	`  <xs:documentation>Abstract class defining the common meta-data of all types of encapsulated data.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DvAnyType">`
	`  <xs:sequence>`
	`  <xs:element maxOccurs="1" minOccurs="1" name="size" type="xs:int"/>`
	`  <xs:element maxOccurs="1" minOccurs="0" name="charset" type="xs:string"/>`
	`  <xs:element maxOccurs="1" minOccurs="0" name="language" type="xs:language"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:ParticipationType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

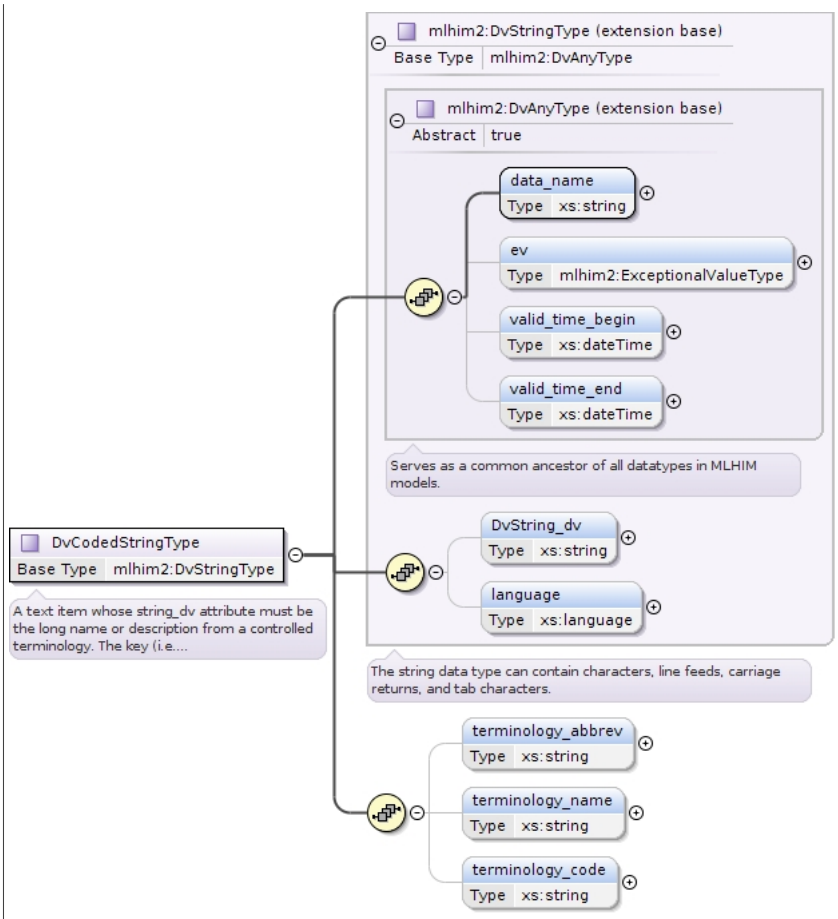
Annotations	`Model of a participation of a Party (any Actor or Role) in an activity.`
	`Used to represent any participation of a Party in some activity, which is not explicitly in the model, e.g. assisting nurse. Can be used to record past or future participations.`
	`Should not be used in place of more permanent relationships between demographic entities.`

Diagram	
Used by	Elements mlhim2:EntryType/mlhim2:other_participations, mlhim2:Participation
Model	mlhim2:performer , mlhim2:function , mlhim2:mode , mlhim2:start_time , mlhim2:end_time
Children	mlhim2:end_time, mlhim2:function, mlhim2:mode, mlhim2:performer, mlhim2:start_time

Source	<pre><xs:complexType name="ParticipationType">
	  <xs:annotation>
	  <xs:documentation>Model of a participation of a Party (any Actor or Role) in an activity. Used to represent any participation of a Party in some activity, which is not explicitly in the model, e.g. assisting nurse. Can be used to record past or future participations. Should not be used in place of more permanent relationships between demographic entities.</xs:documentation>
	  </xs:annotation>
	  <xs:sequence>
	  <xs:element maxOccurs="1" minOccurs="1" name="performer" type="mlhim2:PartyProxyType"/>
	  <xs:element maxOccurs="1" minOccurs="1" name="function" type="mlhim2:DvCodedStringType"/>
	  <xs:element maxOccurs="1" minOccurs="1" name="mode" type="mlhim2:DvCodedStringType"/>
	  <xs:element name="start_time" type="mlhim2:DvDateTimeType"/>
	  <xs:element name="end_time" type="mlhim2:DvDateTimeType"/>
	  </xs:sequence>
	</xs:complexType></pre>

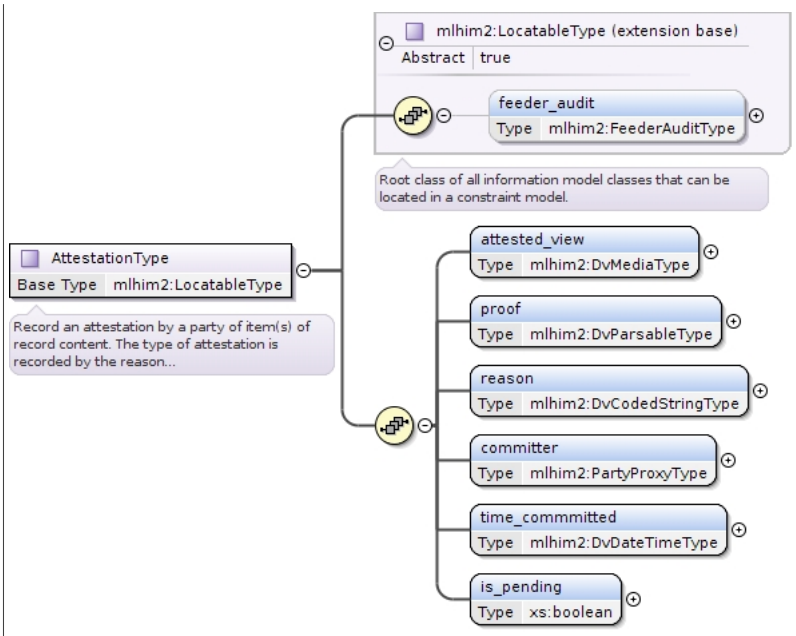
Complex Type `mlhim2:DvCodedStringType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	A text item whose string_dv attribute must be the long name or description from a controlled terminology. The key (i.e. the 'code') of which is the code_string attribute. In some cases, string_dv and code_string may have the same content.

Diagram	
Type	extension of mlhim2:DvStringType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvStringType • mlhim2:DvCodedStringType
Used by	Elements: mlhim2:AttestationType/mlhim2:reason, mlhim2:DvCodedString, mlhim2:DvQuantityType/mlhim2:DvQuantity_units, mlhim2:ParticipationType/mlhim2:function, mlhim2:ParticipationType/mlhim2:mode
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , mlhim2:terminology_abbrev{0,1} , mlhim2:terminology_name{0,1} , mlhim2:terminology_code{0,1}
Children	mlhim2:DvString_dv, mlhim2:data_name, mlhim2:ev, mlhim2:language, mlhim2:terminology_abbrev, mlhim2:terminology_code, mlhim2:terminology_name, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvCodedStringType"> <xs:annotation> <xs:documentation>A text item whose string_dv attribute must be the long name or description from a controlled terminology. The key (i.e. the 'code') of which is the code_string attribute. In some cases, string_dv and code_string may have the same content.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvStringType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="0" name="terminology_abbrev" type="xs:string"/> <xs:element maxOccurs="1" minOccurs="0" name="terminology_name" type="xs:string"/> <xs:element maxOccurs="1" minOccurs="0" name="terminology_code" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:AttestationType`

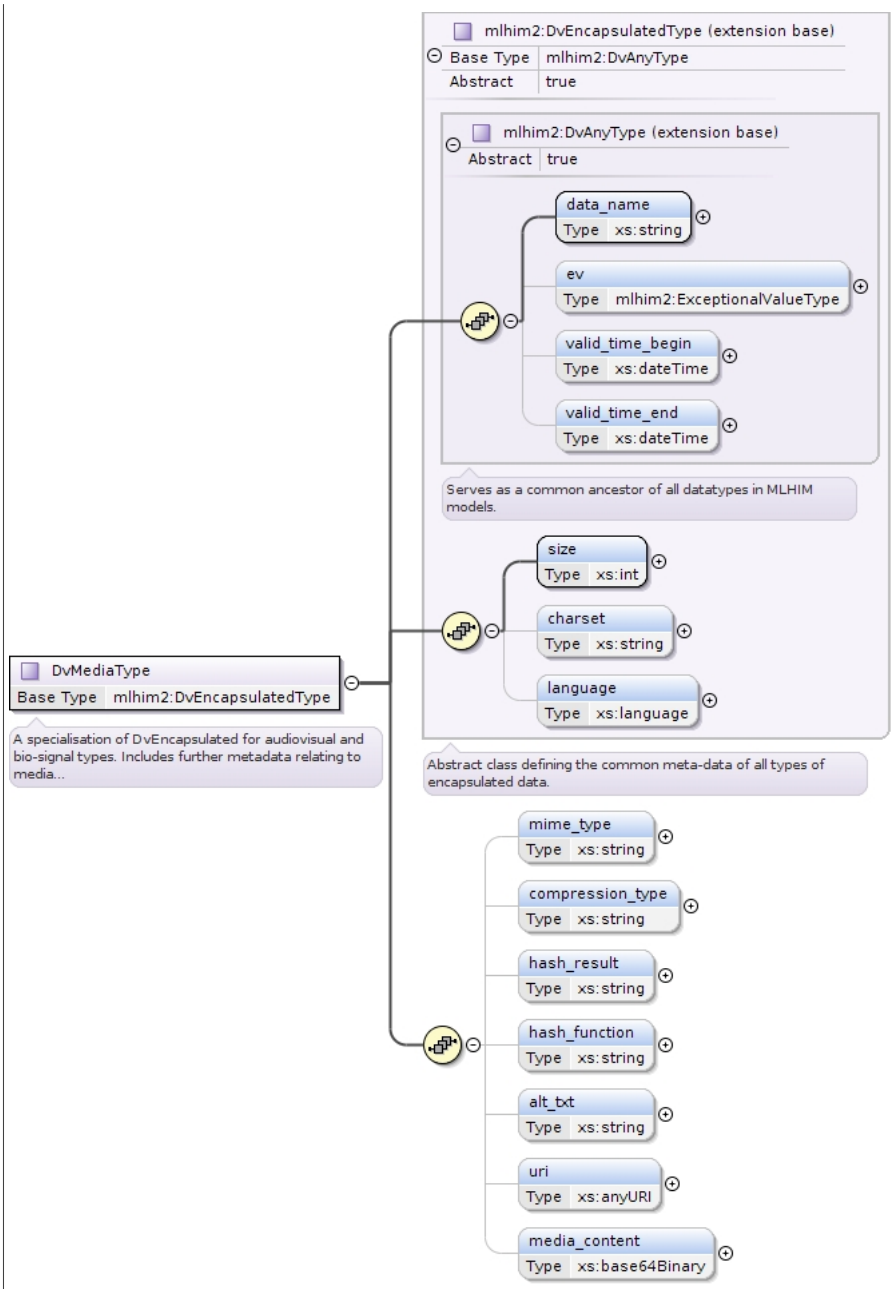
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Record an attestation by a party of item(s) of record content. The type of attestation is recorded by the reason attribute, which my be coded.

Diagram	
Type	extension of mlhim2:LocatableType
Type hierarchy	• mlhim2:LocatableType • mlhim2:AttestationType
Used by	Elements mlhim2:Attestation, mlhim2:EntryType/mlhim2:attestation
Model	mlhim2:feeder_audit{0,1} , mlhim2:attested_view , mlhim2:proof , mlhim2:reason , mlhim2:committer , mlhim2:time_commmitted , mlhim2:is_pending
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_commmitted

Source	`<xs:complexType name="AttestationType">`
	`  <xs:annotation>`
	`  <xs:documentation>Record an attestation by a party of item(s) of record content. The type of attestation is recorded by the reason attribute, which my be coded.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:LocatableType">`
	`  <xs:sequence>`
	`  <xs:element name="attested_view" type="mlhim2:DvMediaType"/>`
	`  <xs:element name="proof" type="mlhim2:DvParsableType"/>`
	`  <xs:element name="reason" type="mlhim2:DvCodedStringType"/>`
	`  <xs:element maxOccurs="1" minOccurs="1" name="committer" type="mlhim2:PartyProxyType"/>`
	`  <xs:element maxOccurs="1" minOccurs="1" name="time_commmitted" type="mlhim2:DvDateTimeType"/>`
	`  <xs:element name="is_pending" type="xs:boolean"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:DvMediaType`

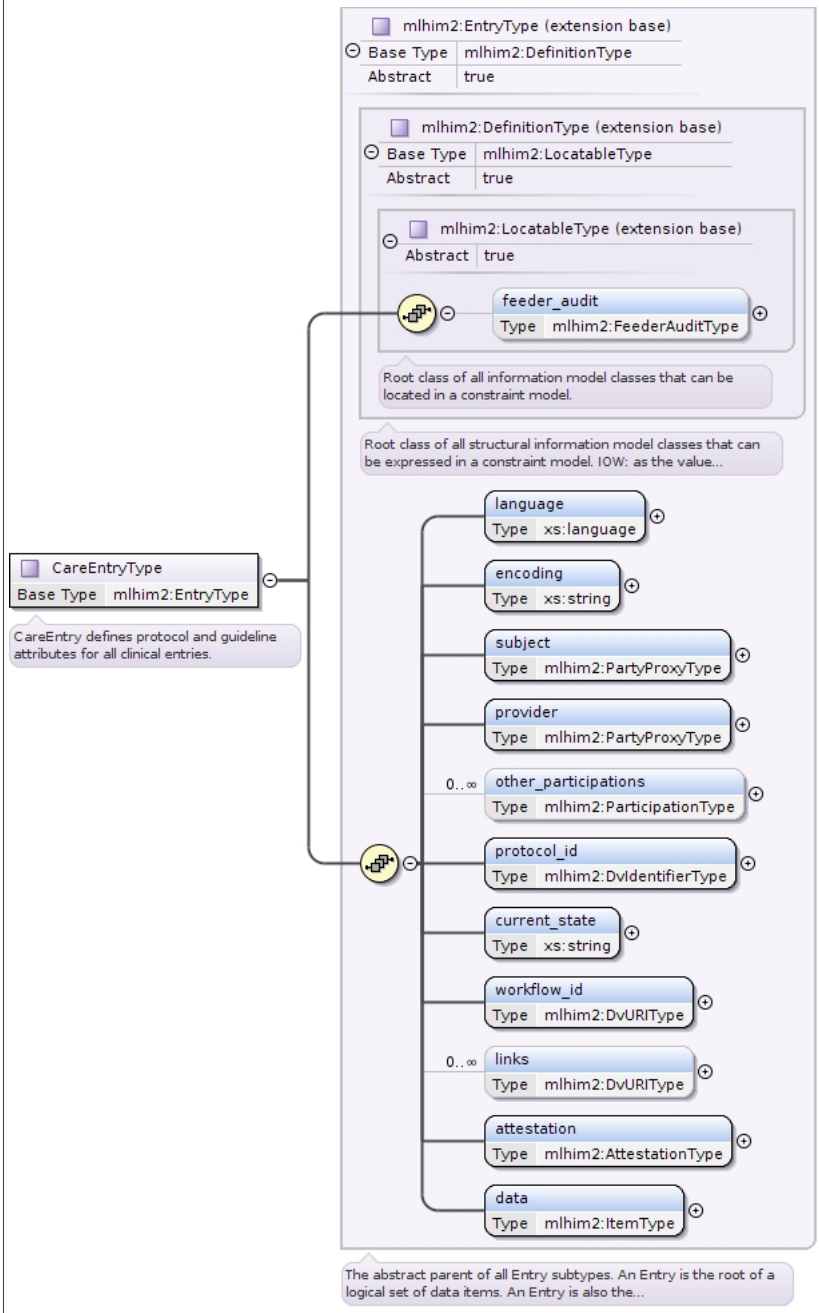
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	A specialisation of DvEncapsulated for audiovisual and bio-signal types. Includes further metadata relating to media types which are not applicable to other subtypes of DvEncapsulated.

Diagram	
Type	extension of mlhim2:DvEncapsulatedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvEncapsulatedType • mlhim2:DvMediaType
Used by	Elements mlhim2:AttestationType/mlhim2:attested_view, mlhim2:DvMedia
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:size , mlhim2:charset{0,1} , mlhim2:language{0,1} , mlhim2:mime_type{0,1} , mlhim2:compression_type{0,1} , mlhim2:hash_result{0,1} , mlhim2:hash_function{0,1} , mlhim2:alt_txt{0,1} , mlhim2:uri{0,1} , mlhim2:media_content{0,1}
Children	mlhim2:alt_txt, mlhim2:charset, mlhim2:compression_type, mlhim2:data_name, mlhim2:ev, mlhim2:hash_function, mlhim2:hash_result, mlhim2:language, mlhim2:media_content, mlhim2:mime_type, mlhim2:size, mlhim2:uri, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType name="DvMediaType">`
	`<xs:annotation>`
	`<xs:documentation>A specialisation of DvEncapsulated for audiovisual and bio-signal types. Includes further metadata relating to media types which are not applicable to other subtypes of DvEncapsulated.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexContent>`

```
    <xs:extension base="mlhim2:DvEncapsulatedType">
      <xs:sequence>
        <xs:element maxOccurs="1" minOccurs="0" name="mime_type" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0" name="compression_type" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0" name="hash_result" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0" name="hash_function" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0" name="alt_txt" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="0" name="uri" type="xs:anyURI"/>
        <xs:element maxOccurs="1" minOccurs="0" name="media_content" type="xs:base64Binary"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:CareEntryType`

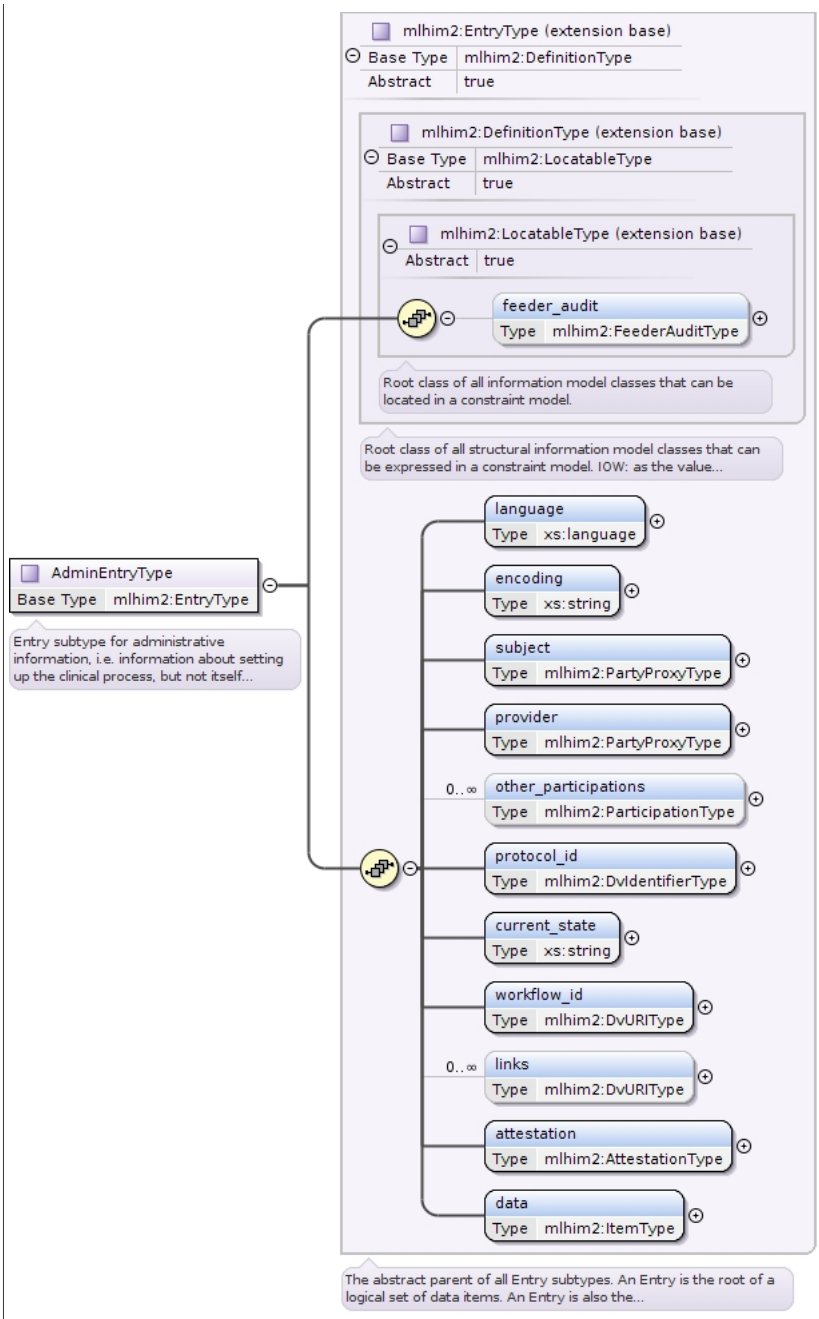
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`CareEntry defines protocol and guideline attributes for all clinical entries.`
Diagram	
Type	extension of mlhim2:EntryType
Type hierarchy	• mlhim2:LocatableType

	• mlhim2:DefinitionType
	  • mlhim2:EntryType
	  • mlhim2:CareEntryType

Used by	Element mlhim2:CareEntry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Source	<xs:complexType name="CareEntryType"> <xs:annotation> <xs:documentation>CareEntry defines protocol and guideline attributes for all clinical entries.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:EntryType"/> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:AdminEntryType`

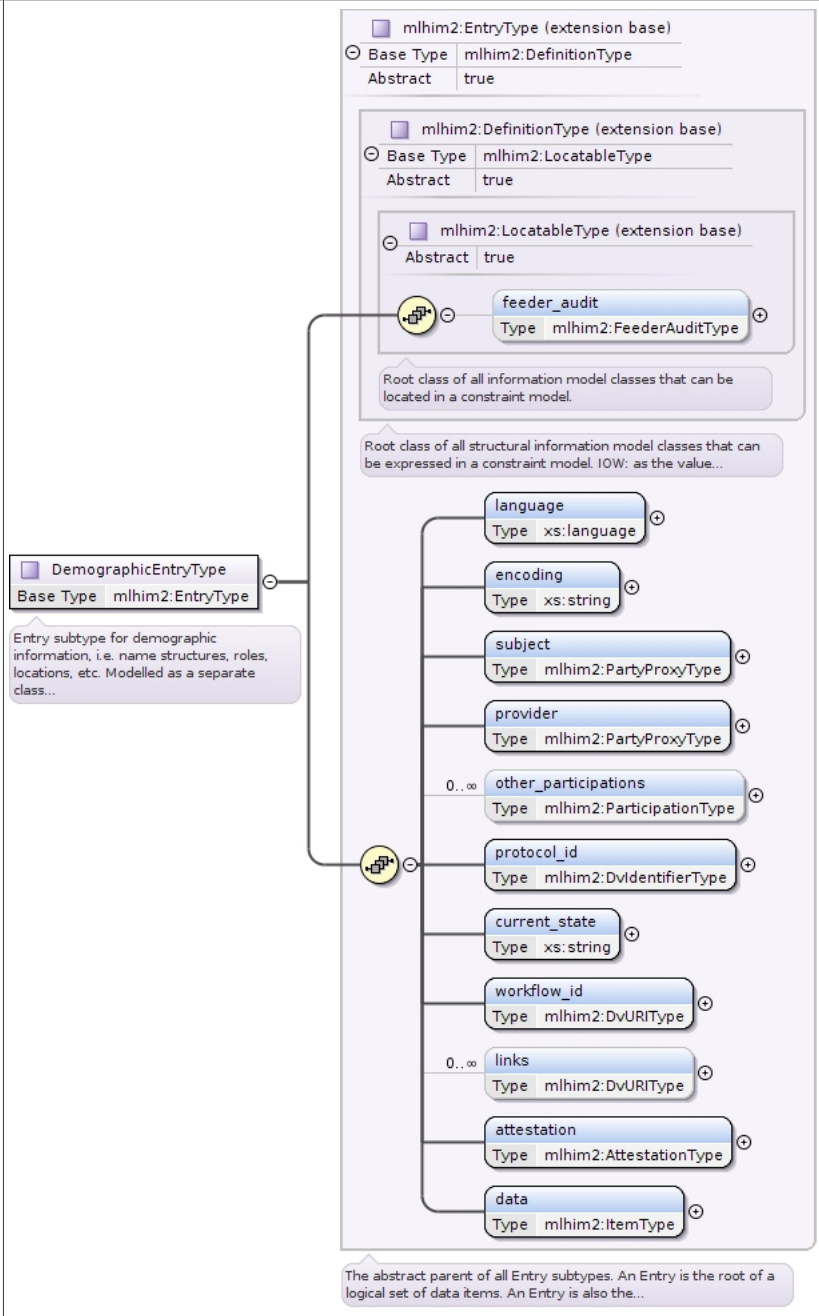
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Entry subtype for administrative information, i.e. information about setting up the clinical process, but not itself clinically relevant. Archetypes will define contained information. Used for admistrative details of admission, episode, ward location, discharge, appointment (if not stored in a practice management or appointments system). Not used for any clinically significant information.

Diagram	
Type	extension of mlhim2:EntryType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:EntryType • mlhim2:AdminEntryType
Used by	Element mlhim2:AdminEntry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id

Source	`<xs:complexType name="AdminEntryType">`
	`<xs:annotation>`
	`<xs:documentation>Entry subtype for administrative information, i.e. information about setting up the clinical process, but not itself clinically relevant. Archetypes will define con- tained information. Used for admistrative details of admission, episode, ward location, discharge,`

```
 appointment (if not stored in a practice management or appointments system). Not used for any
 clinically significant information.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="mlhim2:EntryType"/>
  </xs:complexContent>
</xs:complexType>
```

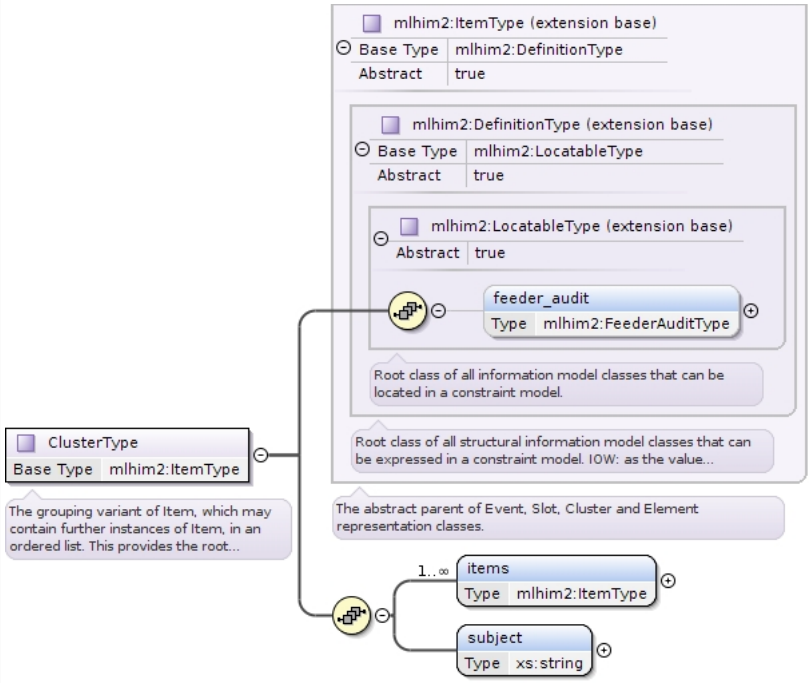
Complex Type `mlhim2:DemographicEntryType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Entry subtype for demographic information, i.e. name structures, roles, locations, etc. Modelled as a separate class from AdminEntry in order to facilitate the separation of clinical and non-clical information to support de-identification of clinical and administrative data.`
Diagram	
Type	extension of mlhim2:EntryType

Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:EntryType

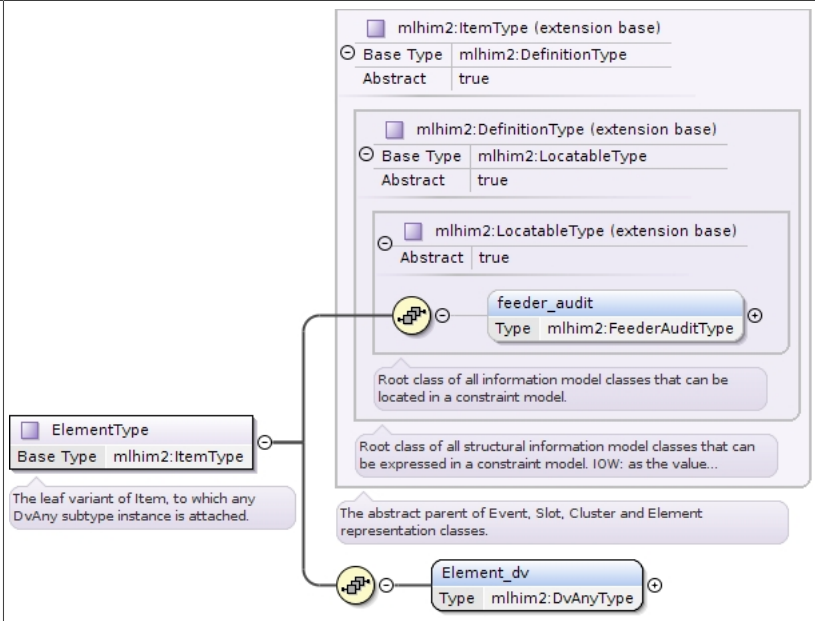
	• mlhim2:DemographicEntryType
Used by	Element mlhim2:DemographicEntry
Model	mlhim2:feeder_audit{0,1} , mlhim2:language , mlhim2:encoding , mlhim2:subject , mlhim2:provider , mlhim2:other_participations* , mlhim2:protocol_id , mlhim2:current_state , mlhim2:workflow_id , mlhim2:links* , mlhim2:attestation , mlhim2:data
Children	mlhim2:attestation, mlhim2:current_state, mlhim2:data, mlhim2:encoding, mlhim2:feeder_audit, mlhim2:language, mlhim2:links, mlhim2:other_participations, mlhim2:protocol_id, mlhim2:provider, mlhim2:subject, mlhim2:workflow_id
Source	<xs:complexType name="DemographicEntryType"> <xs:annotation> <xs:documentation>Entry subtype for demographic information, i.e. name structures, roles, locations, etc. Modelled as a separate class from AdminEntry in order to facilitate the separation of clinical and non-clical information to support de-identification of clinical and administrative data.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:EntryType"/> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:ClusterType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The grouping variant of Item, which may contain further instances of Item, in an ordered list. This provides the root Item for potentially very complex structures.
Diagram	
Type	extension of mlhim2:ItemType
Type hierarchy	• mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:ItemType • mlhim2:ClusterType
Used by	Element mlhim2:Cluster
Model	mlhim2:feeder_audit{0,1} , mlhim2:items+ , mlhim2:subject
Children	mlhim2:feeder_audit, mlhim2:items, mlhim2:subject
Source	<xs:complexType name="ClusterType"> <xs:annotation> <xs:documentation>The grouping variant of Item, which may contain further instances of Item, in an ordered list. This provides the root Item for potentially very complex structures.</xs:documentation>

```
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="mlhim2:ItemType">
      <xs:sequence>
        <xs:element maxOccurs="unbounded" minOccurs="1" name="items" type="mlhim2:ItemType"/>
        <xs:element maxOccurs="1" minOccurs="1" name="subject" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:ElementType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`The leaf variant of Item, to which any DvAny subtype instance is attached.`
Diagram	
Type	extension of mlhim2:ItemType

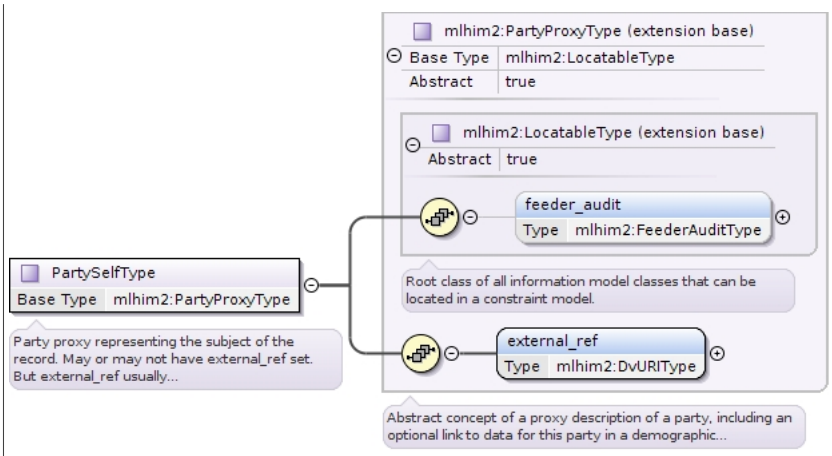
Type hierarchy	• mlhim2:LocatableType
	  • mlhim2:DefinitionType
	  • mlhim2:ItemType
	  • mlhim2:ElementType

Used by	Element mlhim2:Element
Model	mlhim2:feeder_audit{0,1} , mlhim2:Element_dv
Children	mlhim2:Element_dv, mlhim2:feeder_audit

Source	`<xs:complexType name="ElementType">`
	`  <xs:annotation>`
	`  <xs:documentation>The leaf variant of Item, to which any DvAny subtype instance is attached.</xs:documentation>`
	`  </xs:annotation>`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:ItemType">`
	`  <xs:sequence>`
	`  <xs:element maxOccurs="1" minOccurs="1" name="Element_dv" type="mlhim2:DvAnyType"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

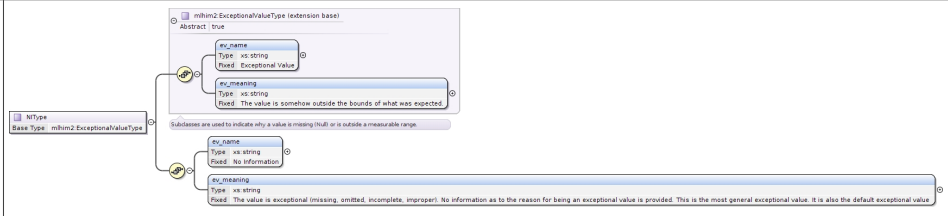
Complex Type `mlhim2:PartySelfType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	`Party proxy representing the subject of the record. May or may not have external_ref set. But external_ref usually points to a record persisted in a demographics service.`

Diagram	
Type	extension of mlhim2:PartyProxyType
Type hierarchy	• mlhim2:LocatableType • mlhim2:PartyProxyType • mlhim2:PartySelfType
Used by	Element mlhim2:PartySelf
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit

Source	`<xs:complexType name="PartySelfType">`
	`<xs:annotation>`
	`<xs:documentation>Party proxy representing the subject of the record. May or may not have external_ref set. But external_ref usually points to a record persisted in a demographics service.</xs:documentation>`
	`</xs:annotation>`
	`<xs:complexContent>`
	`<xs:extension base="mlhim2:PartyProxyType"/>`
	`</xs:complexContent>`
	`</xs:complexType>`

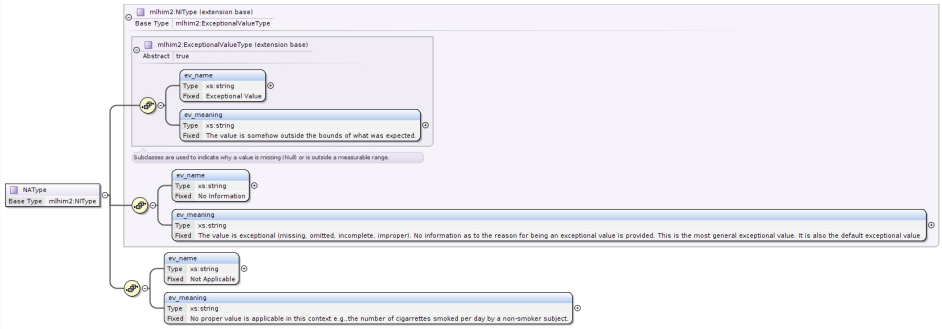
Complex Type `mlhim2:NIType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:ExceptionalValueType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType
Used by	Element mlhim2:NI Complex Types mlhim2:INVType, mlhim2:MSKType, mlhim2:NAType, mlhim2:UNKType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Source	`<xs:complexType name="NIType">`
	`<xs:complexContent>`
	`<xs:extension base="mlhim2:ExceptionalValueType">`
	`<xs:sequence>`
	`<xs:element fixed="No Information" name="ev_name" type="xs:string"/>`
	`<xs:element fixed="The value is exceptional (missing, omitted, incomplete, improper). No information as to the reason for being an exceptional value is provided. This is the most general exceptional value. It is also the default exceptional value " name="ev_meaning" type="xs:string"/>`
	`</xs:sequence>`
	`</xs:extension>`

```
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:NAType`

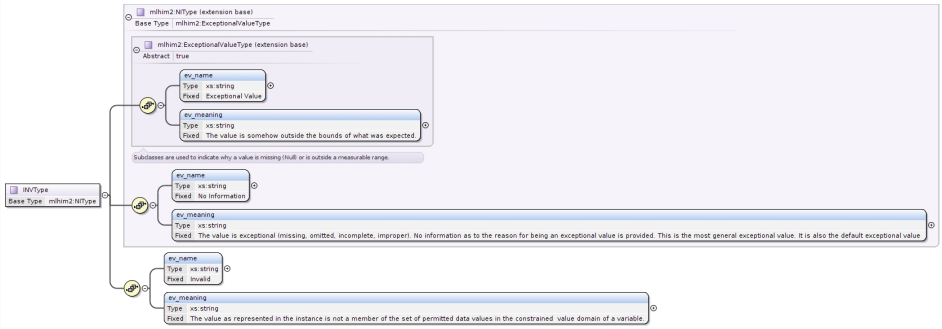
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:NIType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:NAType

Used by	Element mlhim2:NA
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Source	<pre><xs:complexType name="NAType">
	  <xs:complexContent>
	  <xs:extension base="mlhim2:NIType">
	  <xs:sequence>
	  <xs:element fixed="Not Applicable" name="ev_name" type="xs:string"/>
	  <xs:element fixed="No proper value is applicable in this context e.g.,the number of
	cigarrettes smoked per day by a non-smoker subject." name="ev_meaning" type="xs:string"/>
	  </xs:sequence>
	  </xs:extension>
	  </xs:complexContent>
	</xs:complexType></pre>

Complex Type `mlhim2:INVType`

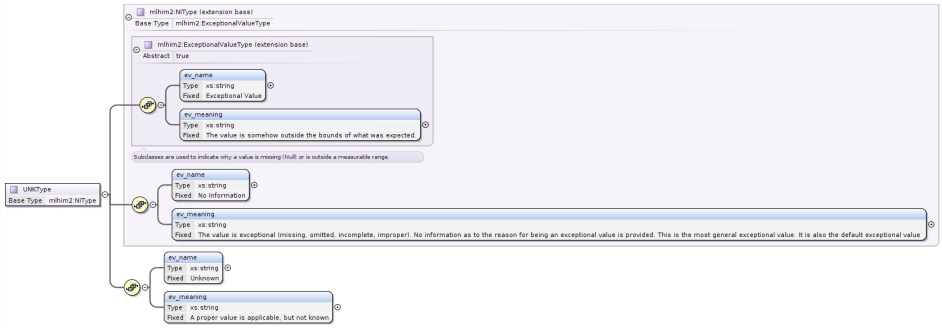
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:NIType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType

Used by	Element mlhim2:INV Complex Types mlhim2:DERType, mlhim2:OTHType, mlhim2:UNCType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning

Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="INVType"> <xs:complexContent> <xs:extension base="mlhim2:NIType"> <xs:sequence> <xs:element fixed="Invalid" name="ev_name" type="xs:string"/> <xs:element fixed="The value as represented in the instance is not a member of the set of permitted data values in the constrained value domain of a variable." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:UNKType`

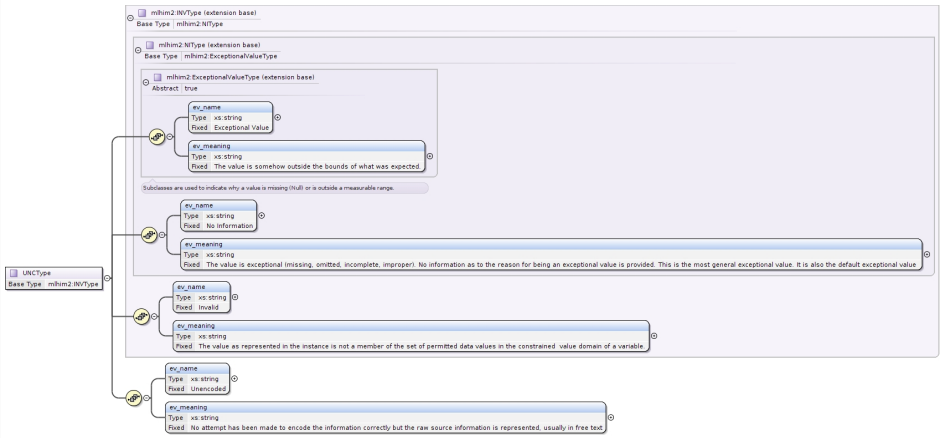
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:NIType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType
Used by	Element: mlhim2:UNK Complex Types: mlhim2:ASKRType, mlhim2:ASKUType, mlhim2:NASKType, mlhim2:QSType, mlhim2:TRCType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="UNKType"> <xs:complexContent> <xs:extension base="mlhim2:NIType"> <xs:sequence> <xs:element fixed="Unknown" name="ev_name" type="xs:string"/> <xs:element fixed="A proper value is applicable, but not known" name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:MSKType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:NIType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:MSKType

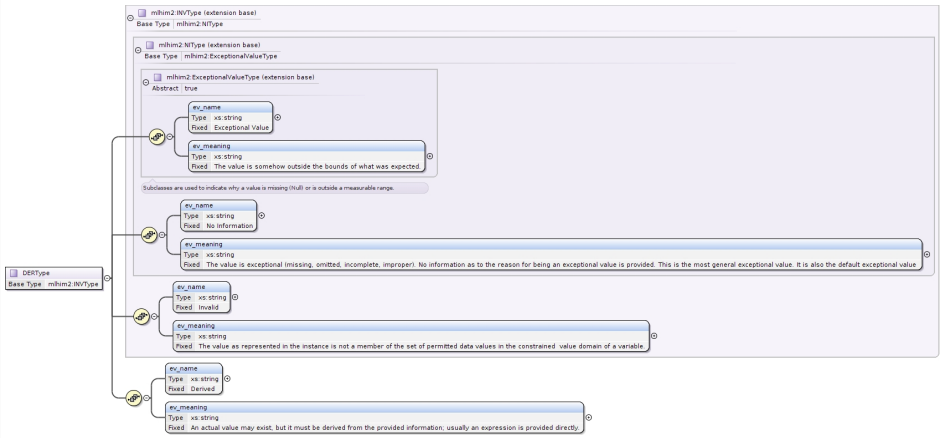
Used by	Element mlhim2:MSK
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="MSKType"> <xs:complexContent> <xs:extension base="mlhim2:NIType"> <xs:sequence> <xs:element fixed="Masked" name="ev_name" type="xs:string"/> <xs:element fixed="There is information on this item available but it has not been provided by the sender due to security, privacy or other reasons. There may be an alternate mechanism for gaining access to this information. Warning: Using this exceptional value does provide information that may be a breach of confidentiality, even though no detail data is provided. Its primary purpose is for those circumstances where it is necessary to inform the receiver that the information does exist without providing any detail " name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:UNCType`

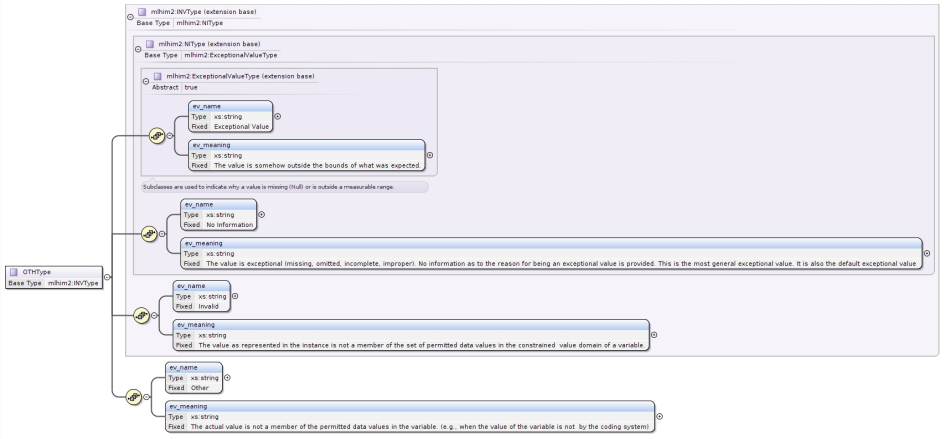
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:INVType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:UNCType
Used by	Element mlhim2:UNC
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="UNCType"> <xs:complexContent> <xs:extension base="mlhim2:INVType"> <xs:sequence> <xs:element fixed="Unencoded" name="ev_name" type="xs:string"/> <xs:element fixed="No attempt has been made to encode the information correctly but the raw source information is represented, usually in free text" name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DERType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

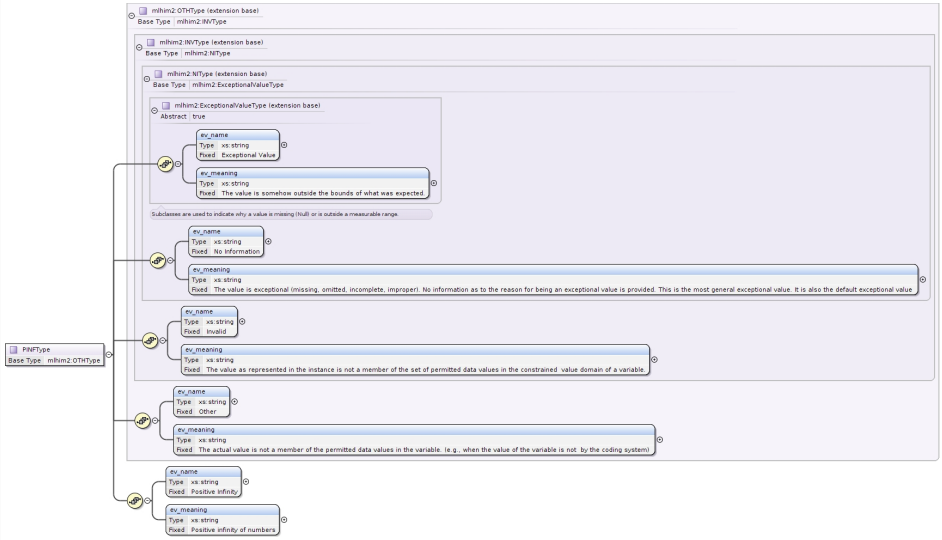
Diagram	
Type	extension of mlhim2:INVType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:DERType
Used by	Element mlhim2:DER
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="DERType"> <xs:complexContent> <xs:extension base="mlhim2:INVType"> <xs:sequence> <xs:element fixed="Derived" name="ev_name" type="xs:string"/> <xs:element fixed="An actual value may exist, but it must be derived from the provided information; usually an expression is provided directly." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:OTHType`

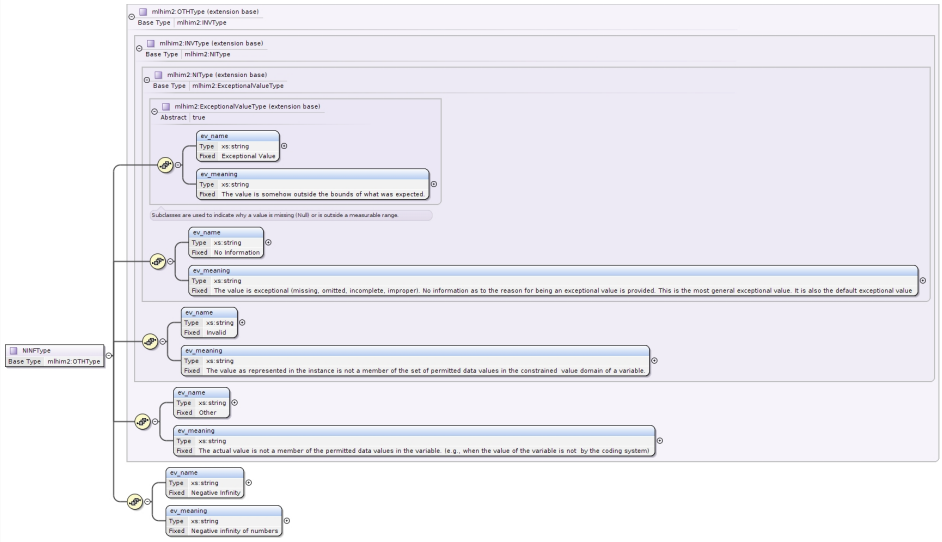
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:INVType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:OTHType

Used by	Element mlhim2:OTH Complex Types mlhim2:NINFType, mlhim2:PINFType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="OTHType"> <xs:complexContent> <xs:extension base="mlhim2:INVType"> <xs:sequence> <xs:element fixed="Other" name="ev_name" type="xs:string"/> <xs:element fixed="The actual value is not a member of the permitted data values in the variable. (e.g., when the value of the variable is not by the coding system) " name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:PINFType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:OTHType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:INVType • mlhim2:OTHType • mlhim2:PINFType
Used by	Element mlhim2:PINF
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="PINFType"> <xs:complexContent> <xs:extension base="mlhim2:OTHType"> <xs:sequence> <xs:element fixed="Positive Infinity" name="ev_name" type="xs:string"/> <xs:element fixed="Positive infinity of numbers" name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

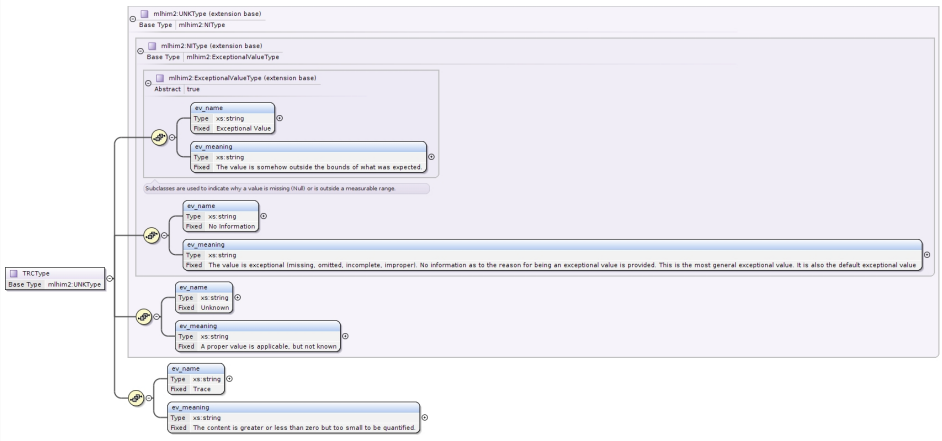
Complex Type `mlhim2:NINFType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:OTHType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:INVType
	  • mlhim2:OTHType
	  • mlhim2:NINFType

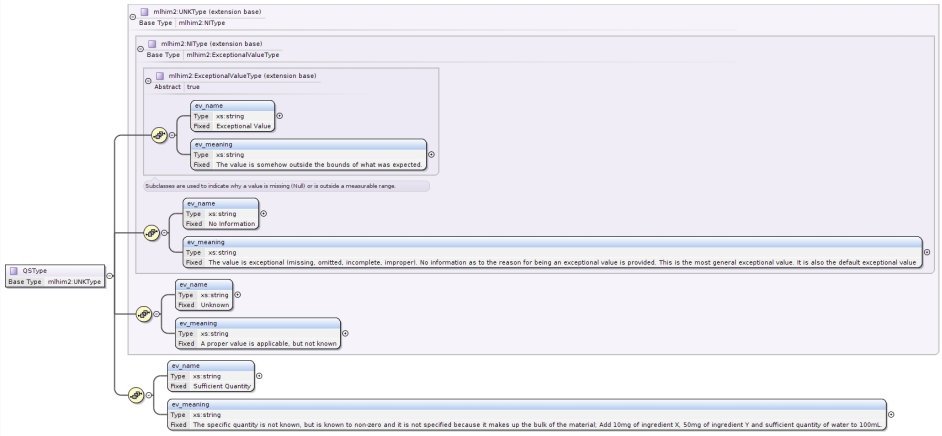
Used by	Element mlhim2:NINF
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="NINFType"> <xs:complexContent> <xs:extension base="mlhim2:OTHType"> <xs:sequence> <xs:element fixed="Negative Infinity" name="ev_name" type="xs:string"/> <xs:element fixed="Negative infinity of numbers" name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:TRCType`

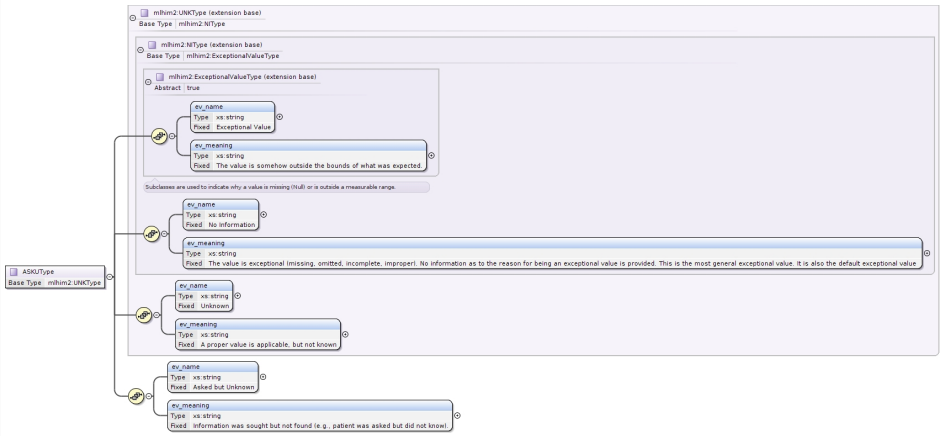
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

Type	extension of mlhim2:UNKType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:TRCType
Used by	Element mlhim2:TRC
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="TRCType"> <xs:complexContent> <xs:extension base="mlhim2:UNKType"> <xs:sequence> <xs:element fixed="Trace" name="ev_name" type="xs:string"/> <xs:element fixed="The content is greater or less than zero but too small to be quantified." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:QSType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:QSType
Used by	Element mlhim2:QS
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="QSType"> <xs:complexContent> <xs:extension base="mlhim2:UNKType"> <xs:sequence> <xs:element fixed="Sufficient Quantity" name="ev_name" type="xs:string"/> <xs:element fixed="The specific quantity is not known, but is known to non-zero and it is not specified because it makes up the bulk of the material; Add 10mg of ingredient X, 50mg of ingredient Y and sufficient quantity of water to 100mL." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:ASKUType`

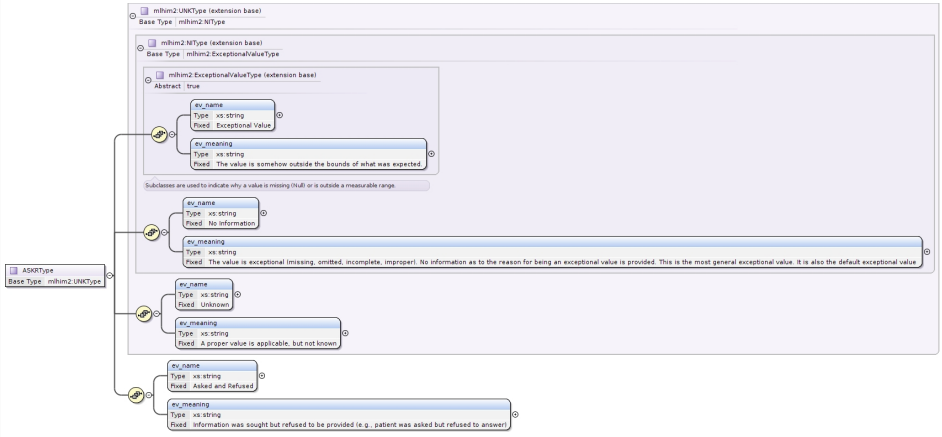
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType

Type hierarchy	• mlhim2:ExceptionalValueType
	  • mlhim2:NIType
	  • mlhim2:UNKType
	  • mlhim2:ASKUType

Used by	Element mlhim2:ASKU Complex Type mlhim2:NAVType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

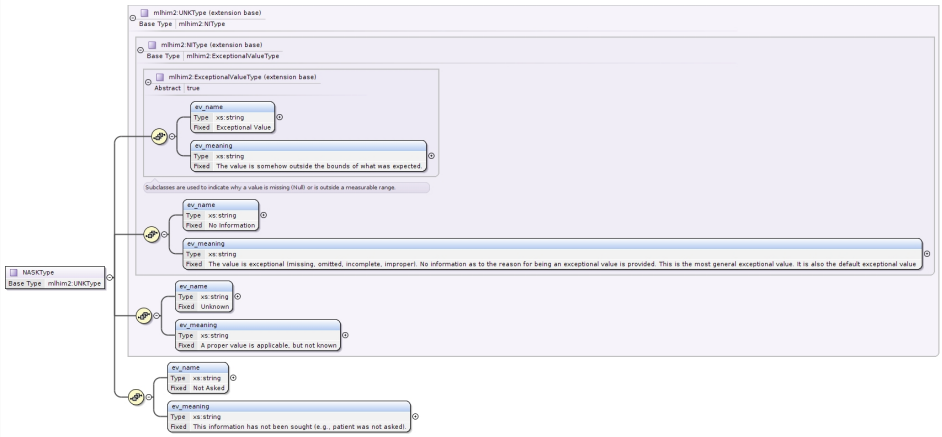
Source	`<xs:complexType name="ASKUType">`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:UNKType">`
	`  <xs:sequence>`
	`  <xs:element fixed="Asked but Unknown" name="ev_name" type="xs:string"/>`
	`  <xs:element fixed="Information was sought but not found (e.g., patient was asked but did not know)." name="ev_meaning" type="xs:string"/>`
	`  </xs:sequence>`
	`  </xs:extension>`
	`  </xs:complexContent>`
	`</xs:complexType>`

Complex Type `mlhim2:ASKRType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	• mlhim2:ExceptionalValueType

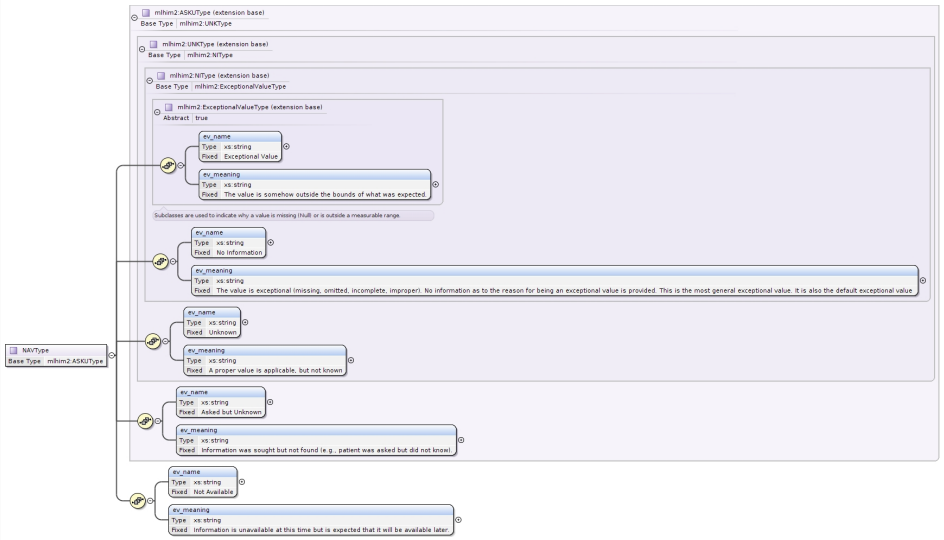
	• mlhim2:NIType • mlhim2:UNKType • mlhim2:ASKRType
Used by	Element mlhim2:ASKR
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="ASKRType"> <xs:complexContent> <xs:extension base="mlhim2:UNKType"> <xs:sequence> <xs:element fixed="Asked and Refused" name="ev_name" type="xs:string"/> <xs:element fixed="Information was sought but refused to be provided (e.g., patient was asked but refused to answer)" name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:NASKType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:NASKType
Used by	Element mlhim2:NASK
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="NASKType"> <xs:complexContent> <xs:extension base="mlhim2:UNKType"> <xs:sequence> <xs:element fixed="Not Asked" name="ev_name" type="xs:string"/> <xs:element fixed="This information has not been sought (e.g., patient was not asked)." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

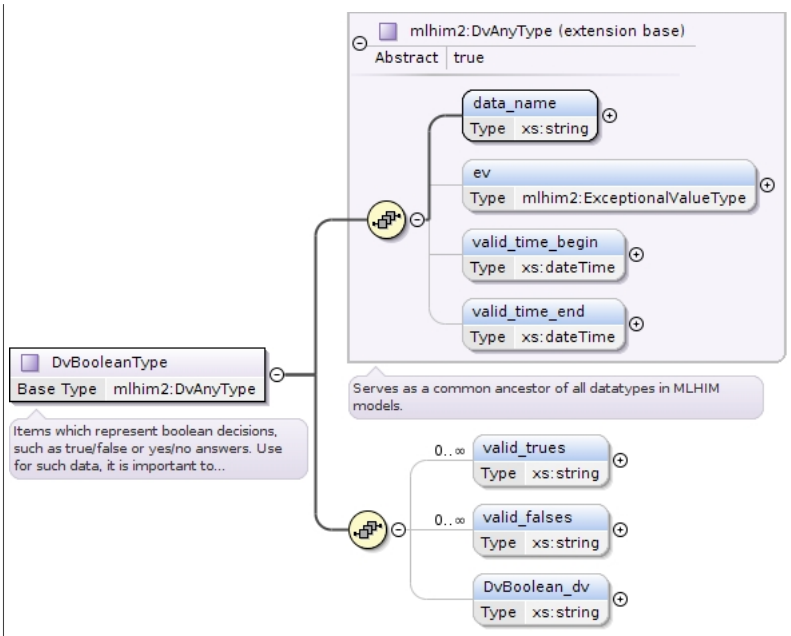
Complex Type `mlhim2:NAVType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0

Diagram	
Type	extension of mlhim2:ASKUType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:NIType • mlhim2:UNKType • mlhim2:ASKUType • mlhim2:NAVType
Used by	Element mlhim2:NAV
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<xs:complexType name="NAVType"> <xs:complexContent> <xs:extension base="mlhim2:ASKUType"> <xs:sequence> <xs:element fixed="Not Available" name="ev_name" type="xs:string"/> <xs:element fixed="Information is unavailable at this time but is expected that it will be available later." name="ev_meaning" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

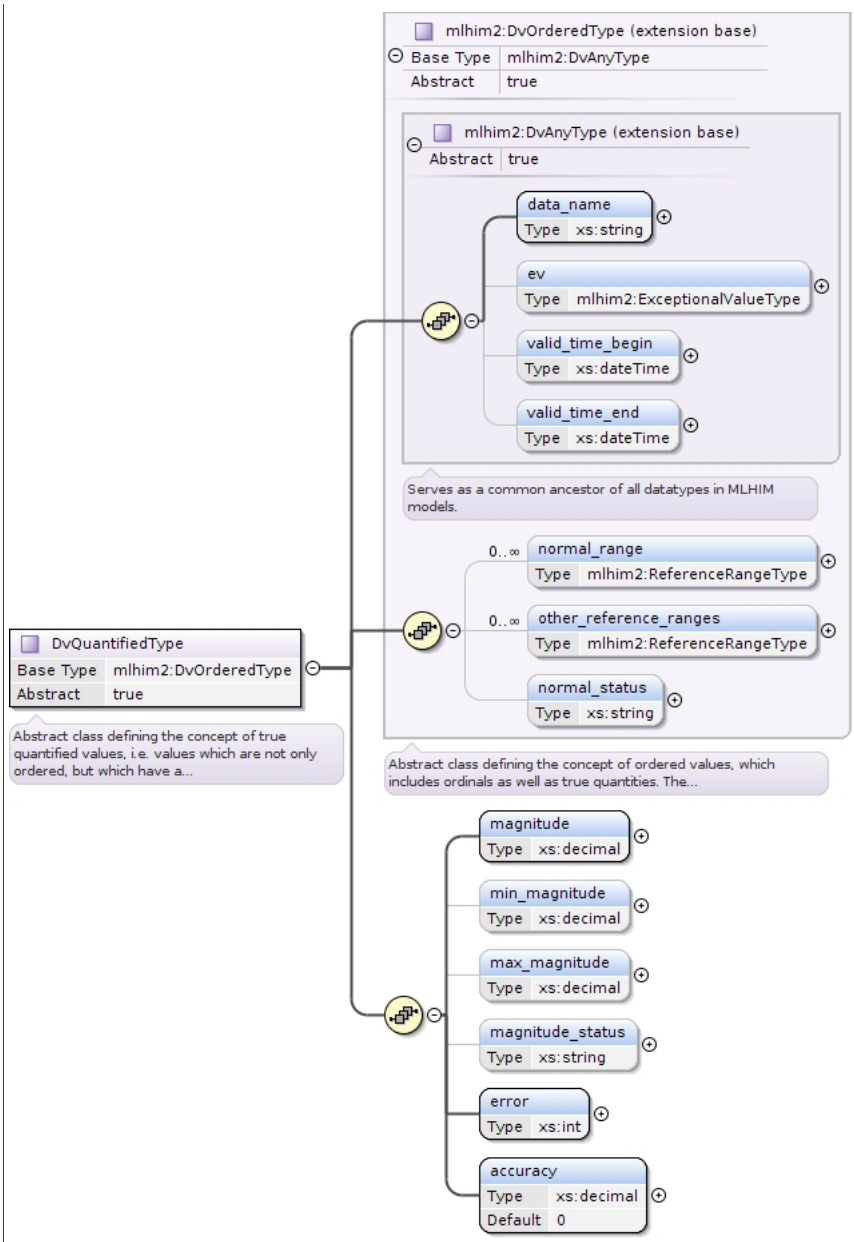
Complex Type `mlhim2:DvBooleanType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Items which represent boolean decisions, such as true/false or yes/no answers. Use for such data, it is important to devise the meanings (usually questions in subjective data) carefully, so that the only allowed results are in fact true or false. Potential MisUse: The DvBoolean class should not be used as a replacement for naively modelled enumerated types such as male/female etc. Such values should be coded, and in any case the enumeration often has more than two values. Though the DvBoolean.dv attribute is a String type this is to easily allow responses that the user is more familiar with using in the context such as 'Yes', 'No' or 'True', 'False'. A conversion method is required to convert the valid_trues to True and the valid_falses to False.

Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvBooleanType
Used by	Element mlhim2:DvBoolean
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:valid_trues* , mlhim2:valid_falses* , mlhim2:DvBoolean_dv{0,1}
Children	mlhim2:DvBoolean_dv, mlhim2:data_name, mlhim2:ev, mlhim2:valid_falses, mlhim2:valid_time_begin, mlhim2:valid_time_end, mlhim2:valid_trues
Source	<xs:complexType name="DvBooleanType"> <xs:annotation> <xs:documentation>Items which represent boolean decisions, such as true/false or yes/no answers. Use for such data, it is important to devise the meanings (usually questions in subjective data) carefully, so that the only allowed results are in fact true or false. Potential MisUse: The DvBoolean class should not be used as a replacement for naively modelled enumerated types such as male/female etc. Such values should be coded, and in any case the enumeration often has more than two values. Though the DvBoolean.dv attribute is a String type this is to easily allow responses that the user is more familiar with using in the context such as 'Yes', 'No' or 'True', 'False'. A conversion method is required to convert the valid_trues to True and the valid_falses to False.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvAnyType"> <xs:sequence> <xs:element maxOccurs="unbounded" minOccurs="0" name="valid_trues" type="xs:string"/> <xs:element maxOccurs="unbounded" minOccurs="0" name="valid_falses" type="xs:string"/> <xs:element minOccurs="0" name="DvBoolean_dv" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvQuantifiedType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a precise magnitude.

Diagram	
Type	extension of mlhim2:DvOrderedType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType

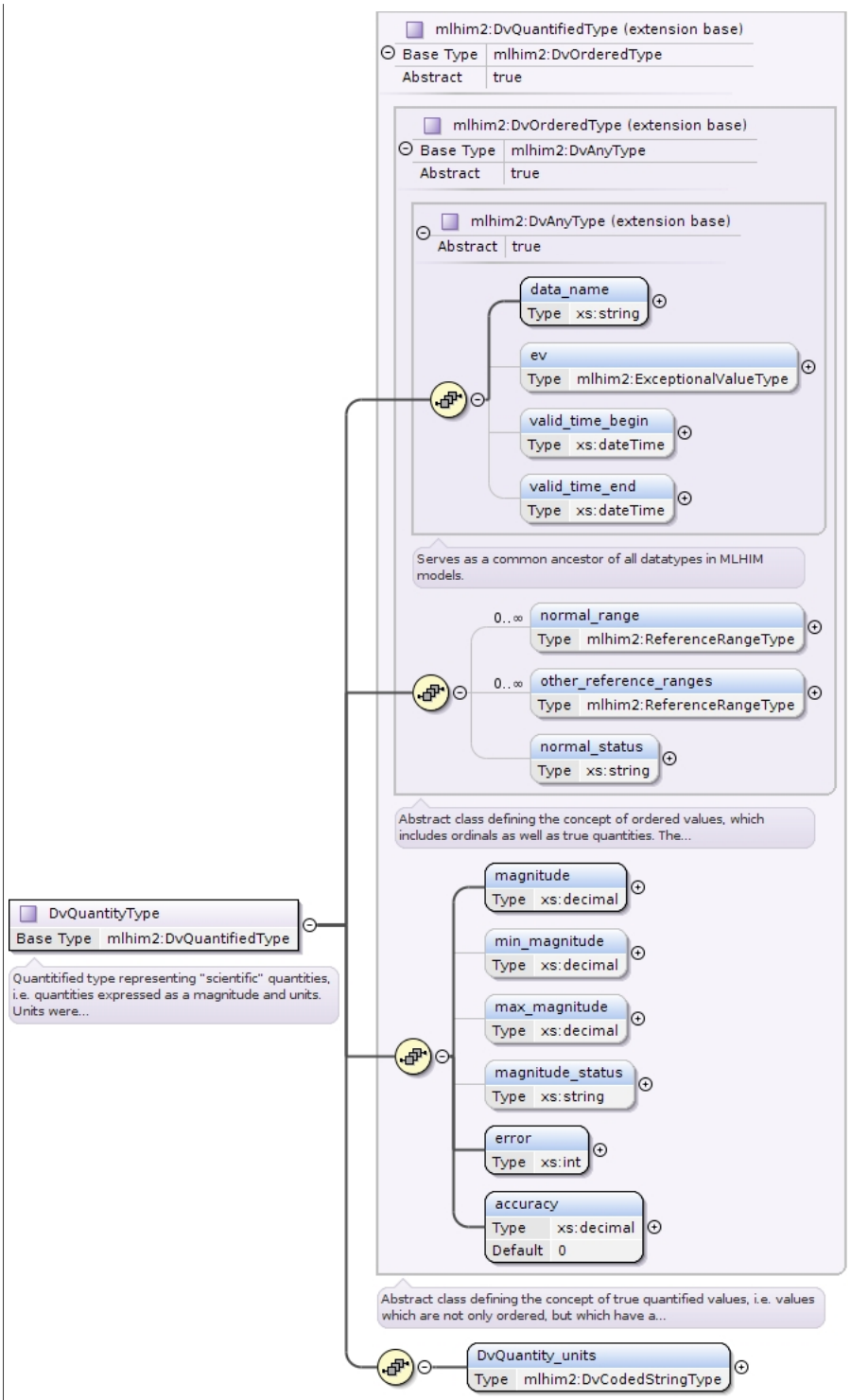
Properties	abstract: `true`
Used by	Element: mlhim2:DvQuantified Complex Types: mlhim2:DvCountType, mlhim2:DvQuantityType, mlhim2:DvRatioType
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType abstract="true" name="DvQuantifiedType">`
	`  <xs:annotation>`
	`  <xs:documentation>Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a precise magnitude.</xs:documentation>`
	`  </xs:annotation>`

```
  <xs:complexContent>
    <xs:extension base="mlhim2:DvOrderedType">
      <xs:sequence>
        <xs:element maxOccurs="1" minOccurs="1" name="magnitude" type="xs:decimal"/>
        <xs:element maxOccurs="1" minOccurs="0" name="min_magnitude" type="xs:decimal"/>
        <xs:element maxOccurs="1" minOccurs="0" name="max_magnitude" type="xs:decimal"/>
        <xs:element maxOccurs="1" minOccurs="0" name="magnitude_status" type="xs:string"/>
        <xs:element maxOccurs="1" minOccurs="1" name="error" type="xs:int"/>
        <xs:element default="0" name="accuracy" type="xs:decimal"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:DvQuantityType`

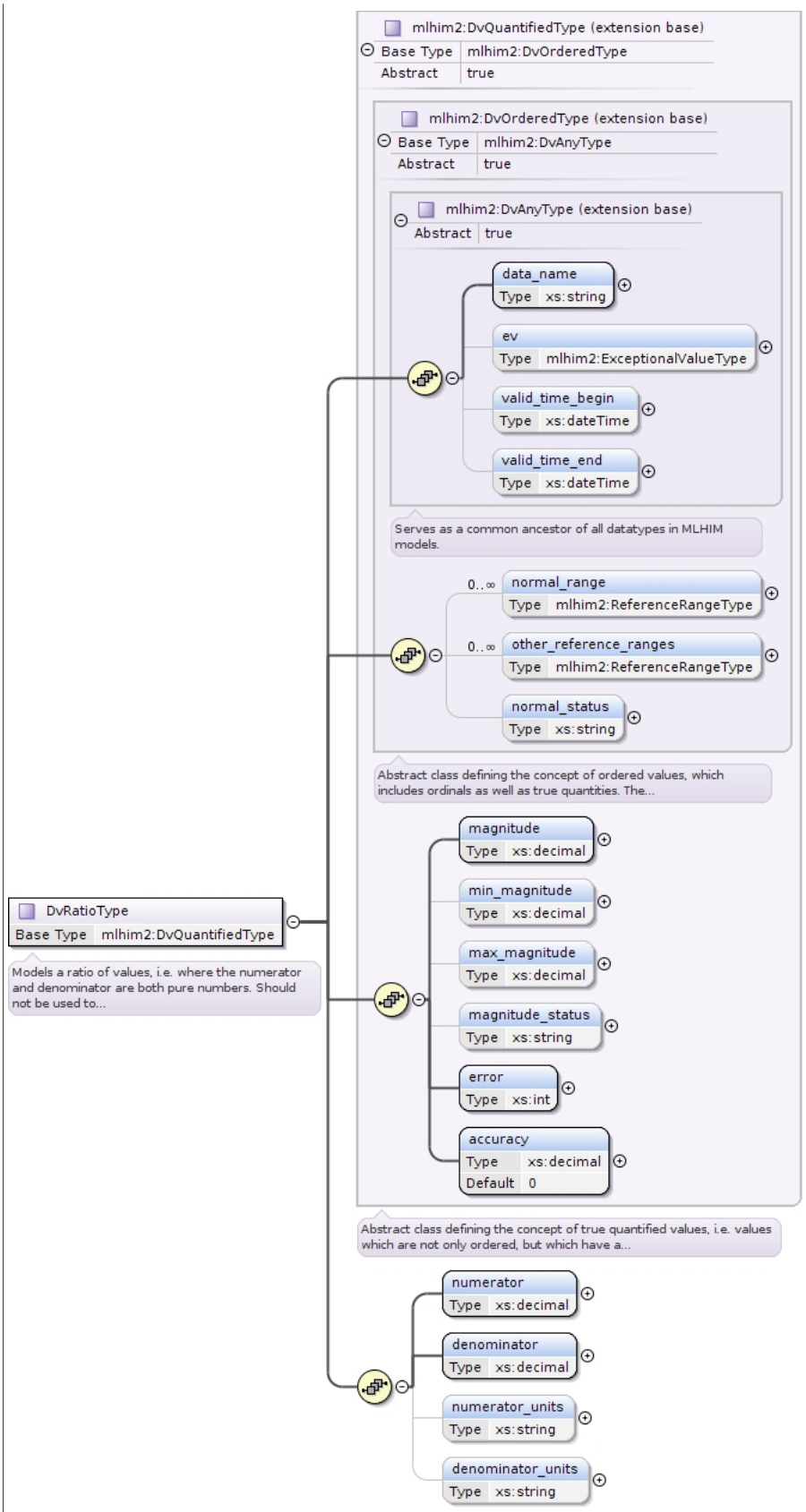
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Quantitified type representing “scientific” quantities, i.e. quantities expressed as a magnitude and units. Units were inspired by the Unified Code for Units of Measure (UCUM), developed by Gunther Schadow and Clement J. McDonald of The Regenstrief Institute. http://unitsofmeasure.org/ Can also be used for time durations, where it is more convenient to treat these as simply a number of individual seconds, minutes, hours, days, months, years, etc.

Diagram	
Type	extension of mlhim2:DvQuantifiedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvQuantifiedType • mlhim2:DvQuantityType
Used by	Element mlhim2:DvQuantity
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:DvQuantity_units

Children	mlhim2:DvQuantity_units, mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvQuantityType"> <xs:annotation> <xs:documentation>Quantitified type representing “scientific” quantities, i.e. quantities expressed as a magnitude and units. Units were inspired by the Unified Code for Units of Measure (UCUM), developed by Gunther Schadow and Clement J. McDonald of The Regenstrief Institute. http://unitsofmeasure.org/ Can also be used for time durations, where it is more convenient to treat these as simply a number of individual seconds, minutes, hours, days, months, years, etc.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvQuantifiedType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="1" name="DvQuantity_units" type="mlhim2:DvCodedStringType"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvRatioType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to represent things like blood pressure which are often written using a ‘/’ character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) “6/24” in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.

Diagram	
Type	extension of mlhim2:DvQuantifiedType

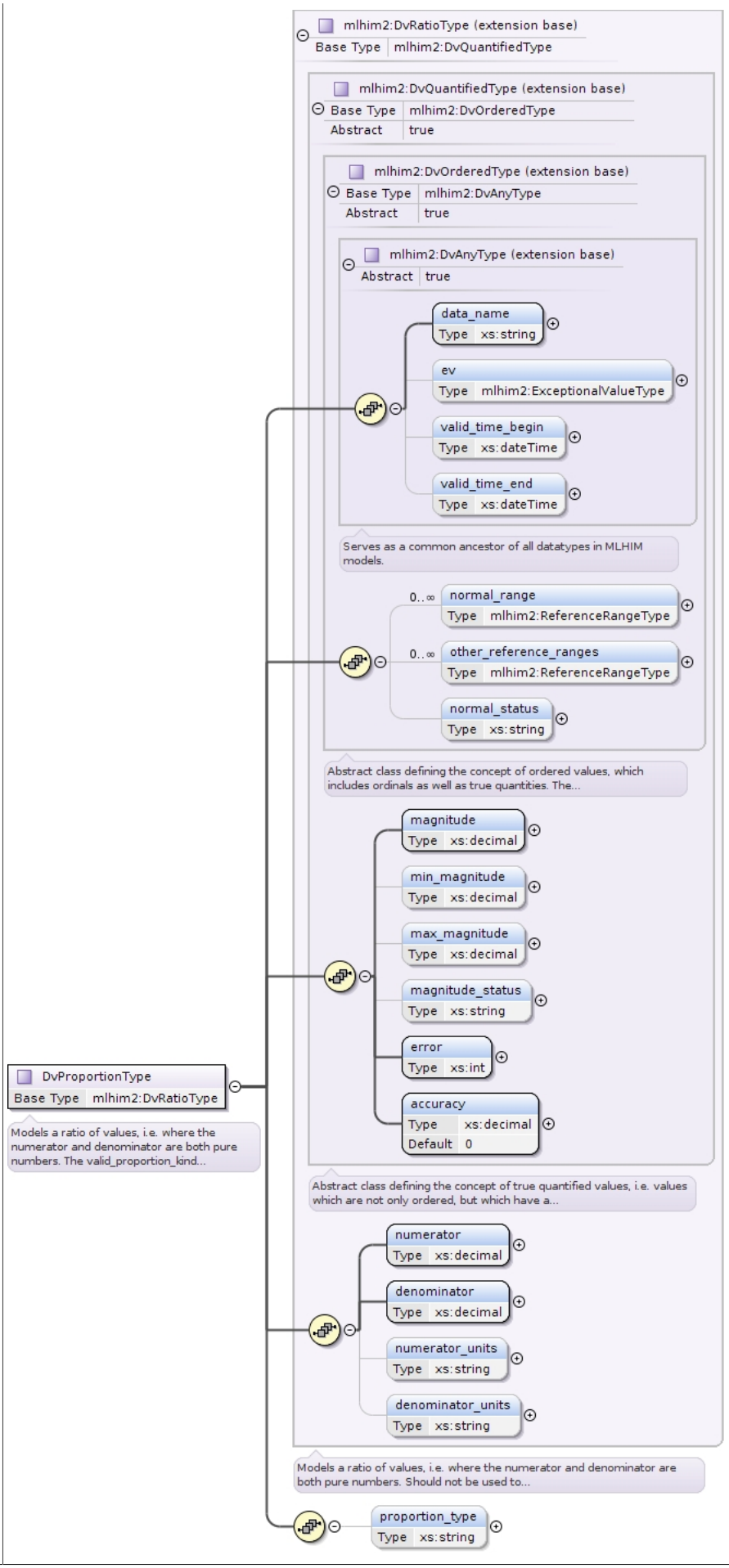
Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType

	• mlhim2:DvRatioType
Used by	Element: mlhim2:DvRatio Complex Types: mlhim2:DvProportionType, mlhim2:DvRateType
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:numerator , mlhim2:denominator , mlhim2:numerator_units{0,1} , mlhim2:denominator_units{0,1}
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:denominator, mlhim2:denominator_units, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:numerator, mlhim2:numerator_units, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvRatioType"> <xs:annotation> <xs:documentation>Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to represent things like blood pressure which are often written using a ‘/’ character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) “6/24” in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvQuantifiedType"> <xs:sequence> <xs:element name="numerator" type="xs:decimal"/> <xs:element name="denominator" type="xs:decimal"/> <xs:element maxOccurs="1" minOccurs="0" name="numerator_units" type="xs:string"/> <xs:element maxOccurs="1" minOccurs="0" name="denominator_units" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvProportionType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. The valid_proportion_kind property of the PROPORTION_KIND class is used to control the type attribute to be one of a defined set. Used for recording titers (e.g. 1:128), concentration ratios, e.g. Na:K (unitary denominator), albumin:creatinine ratio, and percentages, e.g. red cell distirbution width (RDW). Should not be used to represent things like blood pressure which are often written using a ‘/’ character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) “6/24” in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.

Diagram


DvProportionType
Base Type mlhim2:DvRatioType
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. The valid_proportion_kind...
mlhim2:DvRatioType (extension base)
Base Type mlhim2:DvQuantifiedType
mlhim2:DvQuantifiedType (extension base)
Base Type mlhim2:DvOrderedType
Abstract true
mlhim2:DvOrderedType (extension base)
Base Type mlhim2:DvAnyType
Abstract true
mlhim2:DvAnyType (extension base)
Abstract true
data_name
Type xs:string
ev
Type mlhim2:ExceptionalValueType
valid_time_begin
Type xs:dateTime
valid_time_end
Type xs:dateTime
Serves as a common ancestor of all datatypes in MLHIM models.
0..∞ normal_range
Type mlhim2:ReferenceRangeType
0..∞ other_reference_ranges
Type mlhim2:ReferenceRangeType
normal_status
Type xs:string
Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...
magnitude
Type xs:decimal
min_magnitude
Type xs:decimal
max_magnitude
Type xs:decimal
magnitude_status
Type xs:string
error
Type xs:int
accuracy
Type xs:decimal
Default 0
Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a...
numerator
Type xs:decimal
denominator
Type xs:decimal
numerator_units
Type xs:string
denominator_units
Type xs:string
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to...
proportion_type
Type xs:string

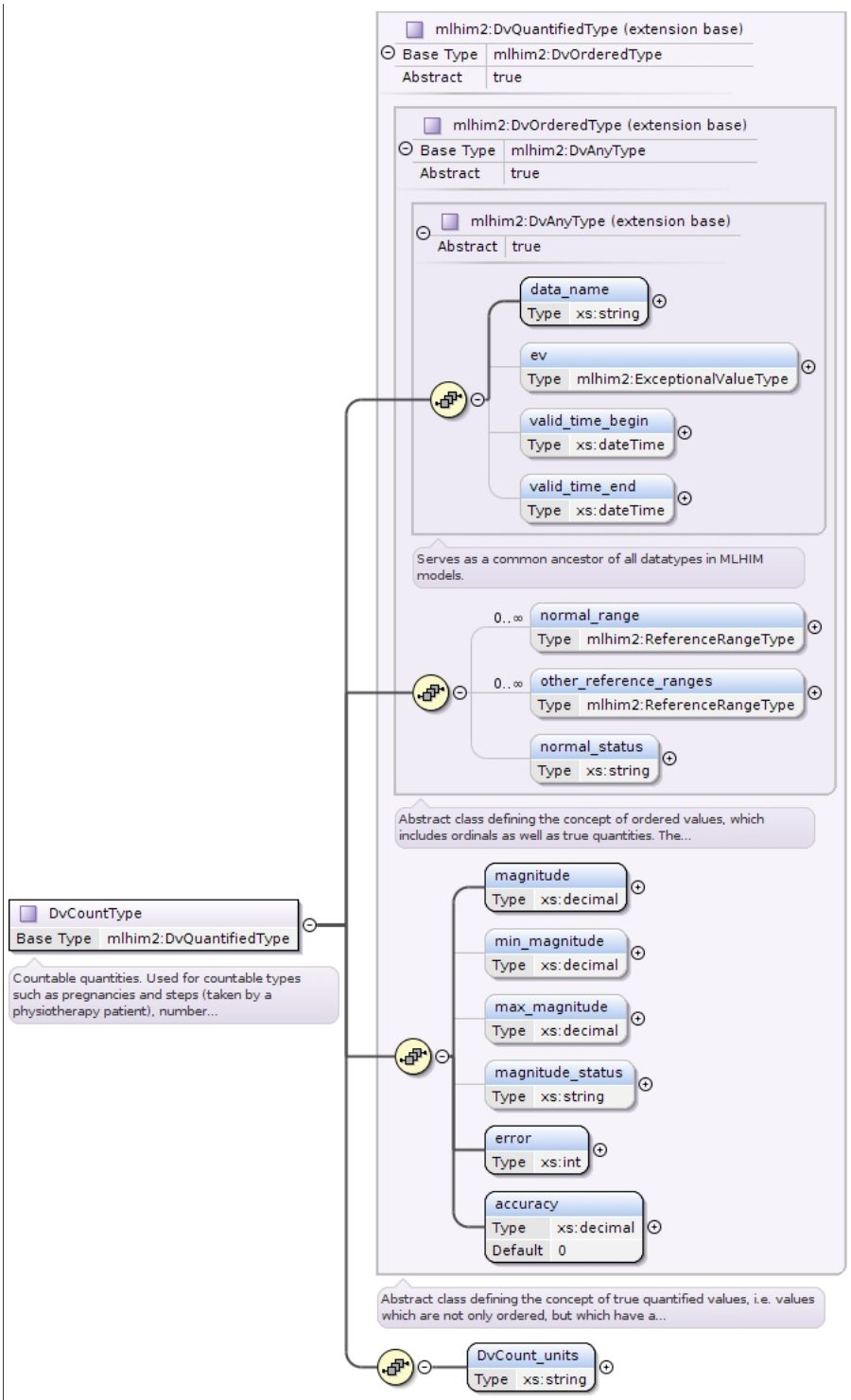
Type	extension of mlhim2:DvRatioType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType
	  • mlhim2:DvRatioType
	  • mlhim2:DvProportionType

Used by	Element mlhim2:DvProportion
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:numerator , mlhim2:denominator , mlhim2:numerator_units{0,1} , mlhim2:denominator_units{0,1} , mlhim2:proportion_type{0,1}
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:denominator, mlhim2:denominator_units, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:numerator, mlhim2:numerator_units, mlhim2:other_reference_ranges, mlhim2:proportion_type, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvProportionType"> <xs:annotation> <xs:documentation>Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. The valid_proportion_kind property of the PROPORTION_KIND class is used to control the type attribute to be one of a defined set. Used for recording titers (e.g. 1:128), concentration ratios, e.g. Na:K (unitary denominator), albumin:creatinine ratio, and percentages, e.g. red cell distirbution width (RDW). Should not be used to represent things like blood pressure which are often written using a ‘/’ character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) “6/24” in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvRatioType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="0" name="proportion_type" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

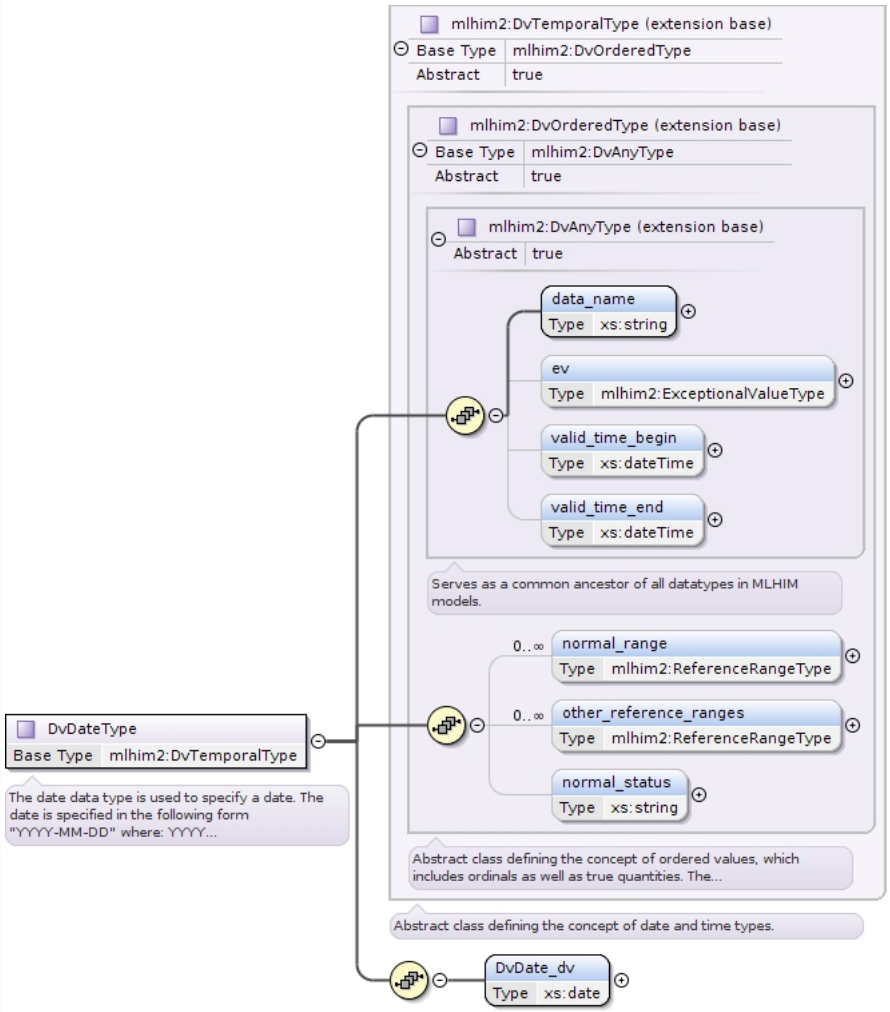
Complex Type `mlhim2:DvCountType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Countable quantities. Used for countable types such as pregnancies and steps (taken by a physiotherapy patient), number of cigarettes smoked in a day, etc. Misuse:Not used for amounts of physical entities (which all have standardized units)

Diagram	
Type	extension of mlhim2:DvQuantifiedType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvQuantifiedType • mlhim2:DvCountType
Used by	Element mlhim2:DvCount
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:DvCount_units

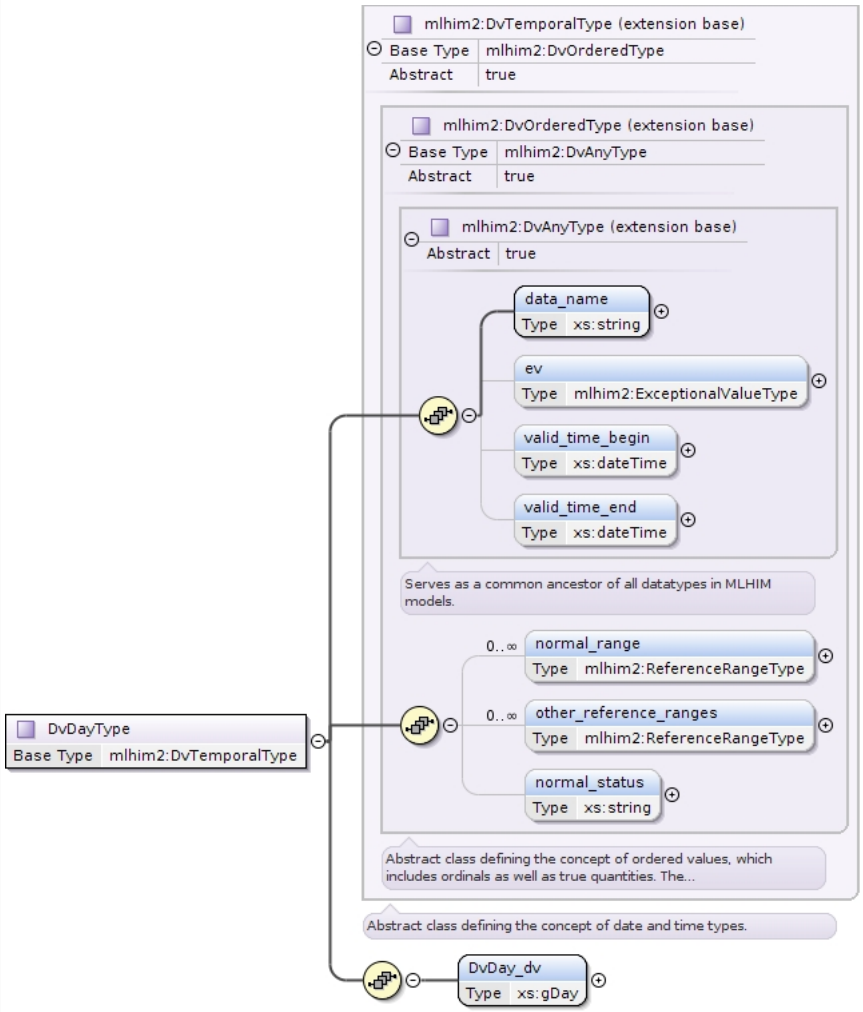
Children	mlhim2:DvCount_units, mlhim2:accuracy, mlhim2:data_name, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvCountType"> <xs:annotation> <xs:documentation>Countable quantities. Used for countable types such as pregnancies and steps (taken by a physiotherapy patient), number of cigarettes smoked in a day, etc. Misuse:Not used for amounts of physical entities (which all have standardized units)</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvQuantifiedType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="1" name="DvCount_units" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvDateType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The date data type is used to specify a date. The date is specified in the following form "YYYY-MM-DD" where: YYYY indicates the year MM indicates the month DD indicates the day
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType

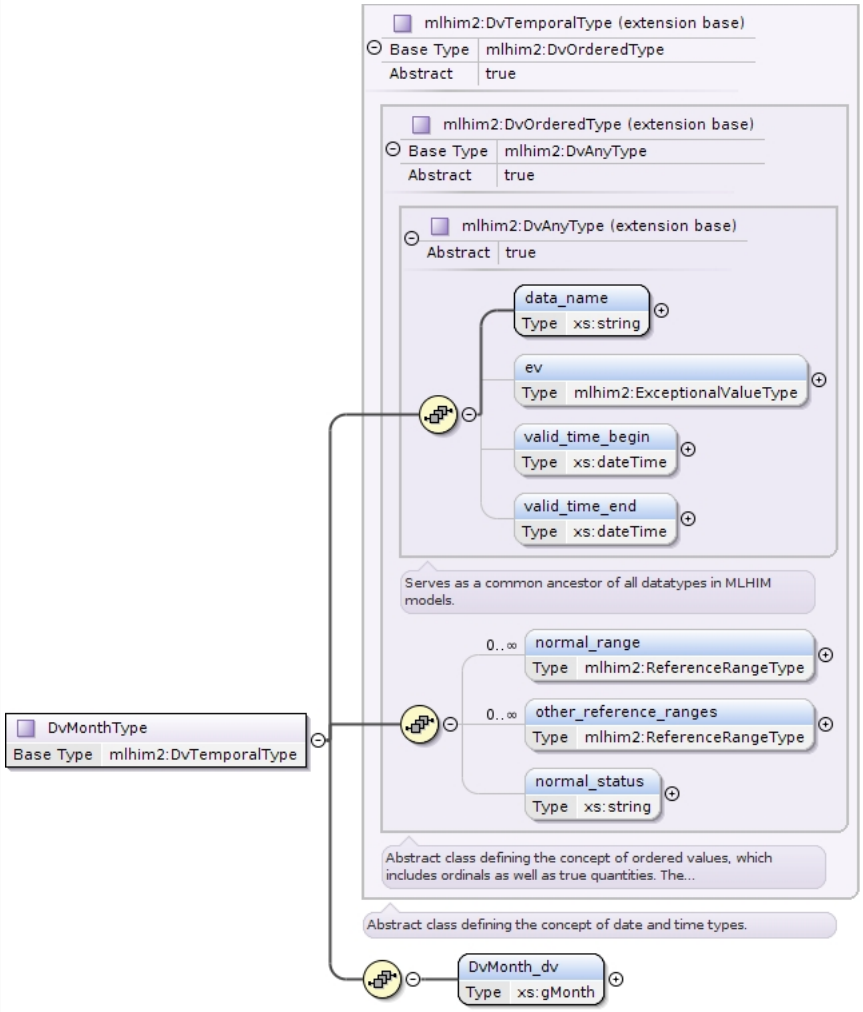
	• mlhim2:DvTemporalType • mlhim2:DvDateType
Used by	Element mlhim2:DvDate
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDate_dv
Children	mlhim2:DvDate_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvDateType"> <xs:annotation> <xs:documentation>The date data type is used to specify a date. The date is specified in the following form "YYYY-MM-DD" where: YYYY indicates the year MM indicates the month DD indicates the day</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvDate_dv" type="xs:date"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvDayType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType

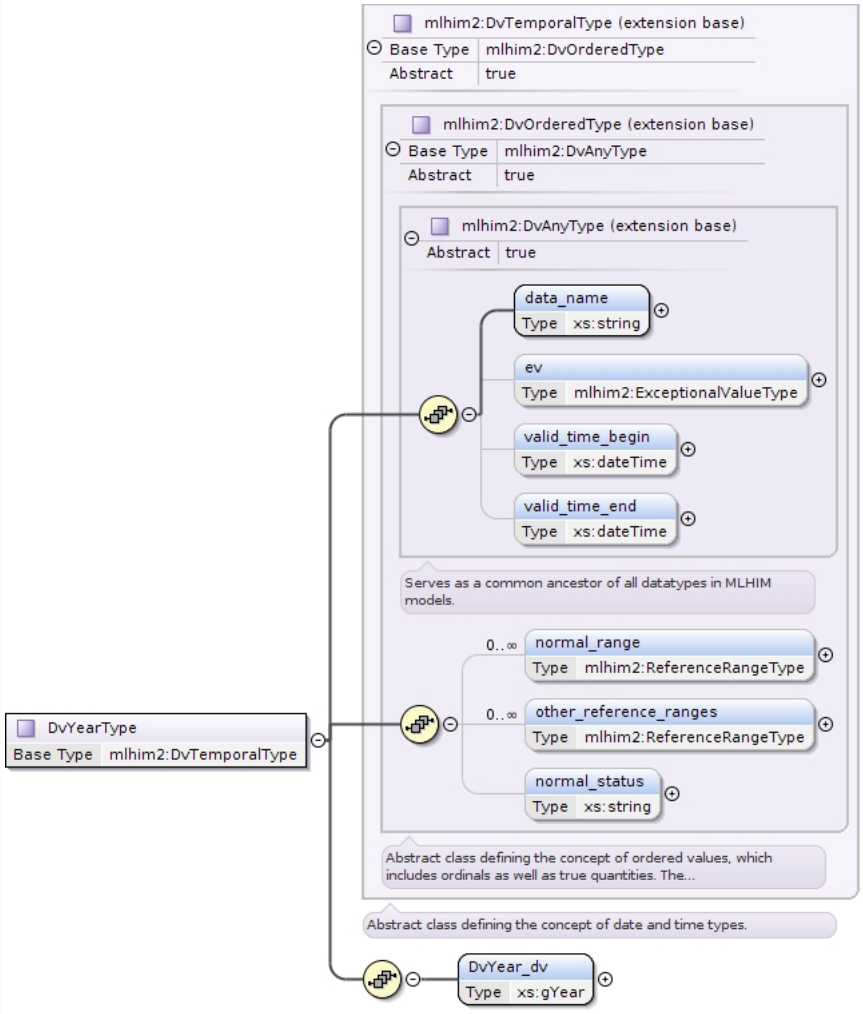
	• mlhim2:DvTemporalType • mlhim2:DvDayType
Used by	Element mlhim2:DvDay
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDay_dv
Children	mlhim2:DvDay_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvDayType"> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvDay_dv" type="xs:gDay"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvMonthType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvMonthType

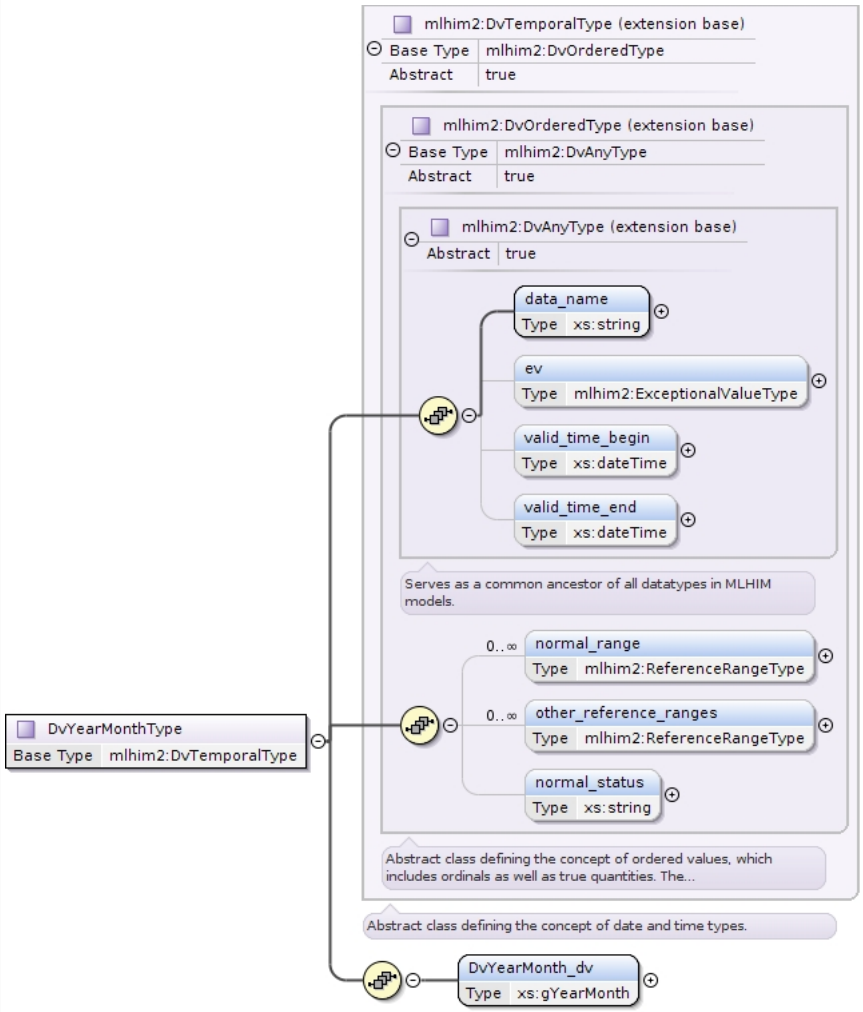
Used by	Element mlhim2:DvMonth
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvMonth_dv
Children	mlhim2:DvMonth_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvMonthType"> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvMonth_dv" type="xs:gMonth"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvYearType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvYearType
Used by	Element mlhim2:DvYear
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvYear_dv

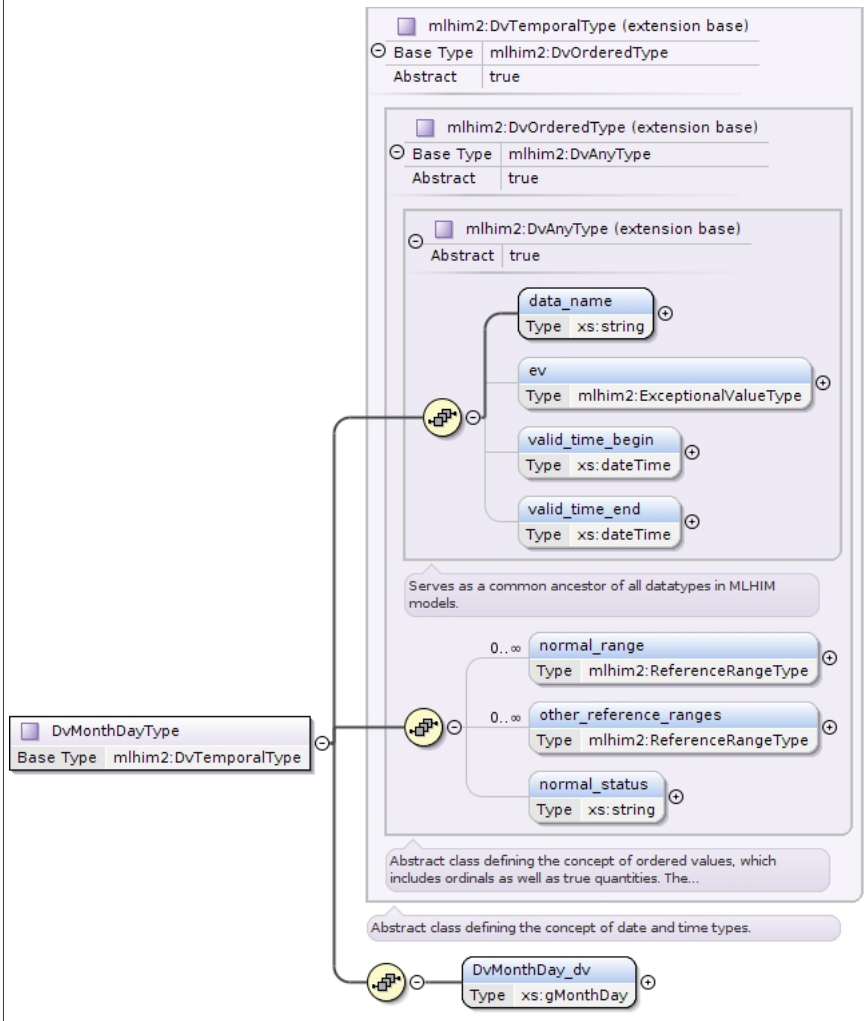
Children	mlhim2:DvYear_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvYearType"> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvYear_dv" type="xs:gYear"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvYearMonthType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvYearMonthType
Used by	Element mlhim2:DvYearMonth
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvYearMonth_dv
Children	mlhim2:DvYearMonth_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvYearMonthType">

```
  <xs:complexContent>
    <xs:extension base="mlhim2:DvTemporalType">
      <xs:sequence>
        <xs:element name="DvYearMonth_dv" type="xs:gYearMonth"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

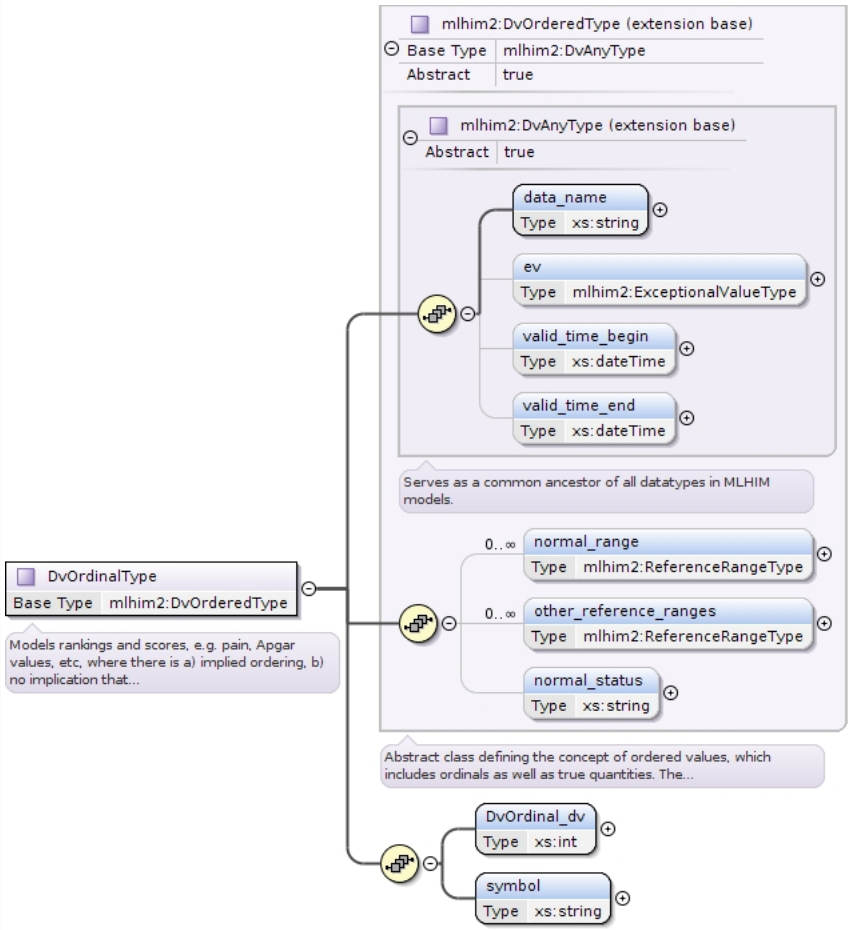
Complex Type `mlhim2:DvMonthDayType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvMonthDayType
Used by	Element mlhim2:DvMonthDay
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvMonthDay_dv
Children	mlhim2:DvMonthDay_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end

Source	`<xs:complexType name="DvMonthDayType">`
	`  <xs:complexContent>`
	`  <xs:extension base="mlhim2:DvTemporalType">`
	`  <xs:sequence>`
	`  <xs:element name="DvMonthDay_dv" type="xs:gMonthDay"/>`

```
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:DvOrdinalType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Models rankings and scores, e.g. pain, Apgar values, etc, where there is a) implied ordering, b) no implication that the distance between each value is constant, and c) the total number of values is finite. Note that although the term 'ordinal' in mathematics means natural numbers only, here any integer is allowed, since negative and zero values are often used by medical professionals for values around a neutral point. Examples of sets of ordinal values: -3, -2, -1, 0, 1, 2, 3 -- reflex response values 0, 1, 2 -- Apgar values Used for recording any clinical datum which is customarily recorded using symbolic values. Example: the results on a urinalysis strip, e.g. {neg, trace, +, ++, +++} are used for leucocytes, protein, nitrites etc; for non-haemolysed blood {neg, trace, moderate}; for haemolysed blood {neg, trace, small, moderate, large}.
Diagram	
Type	extension of mlhim2:DvOrderedType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvOrdinalType

Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvOrdinal_dv , mlhim2:symbol
Children	mlhim2:DvOrdinal_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:symbol, mlhim2:valid_time_begin, mlhim2:valid_time_end

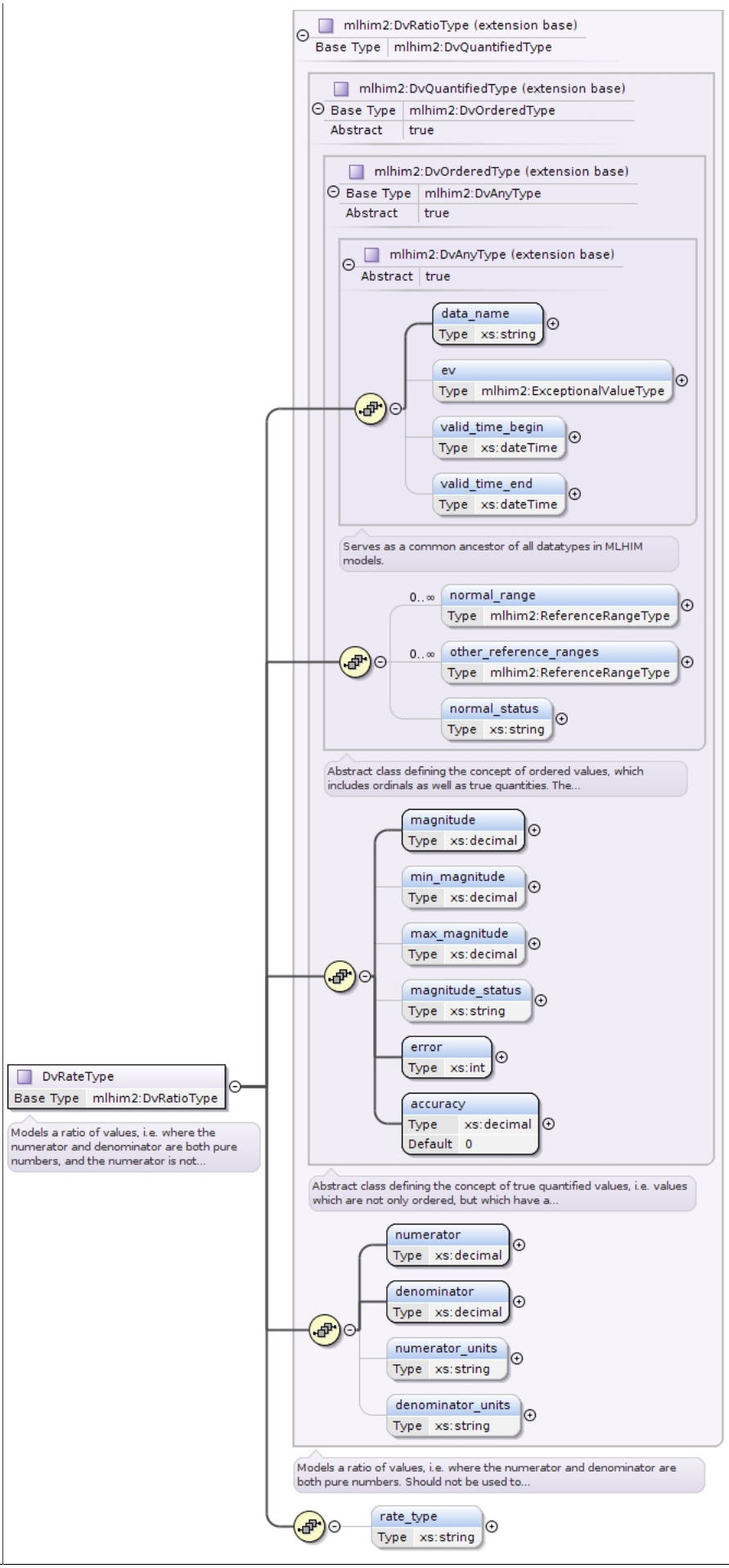
Source	`<xs:complexType name="DvOrdinalType">`
	`  <xs:annotation>`
	`  <xs:documentation>`Models rankings and scores, e.g. pain, Apgar values, etc, where there is a) implied ordering, b) no implication that the distance between each value is con- stant, and c)

```
 the total number of values is finite. Note that although the term ‘ordinal’ in mathematics means
 natural numbers only, here any integer is allowed, since negative and zero values are often used
 by medical professionals for values around a neutral point. Examples of sets of ordinal values:
 -3, -2, -1, 0, 1, 2, 3 -- reflex response values 0, 1, 2 -- Apgar values Used for recording any
 clinical datum which is customarily recorded using sym- bolic values. Example: the results on a
 urinalysis strip, e.g. {neg, trace, +, ++, +++} are used for leucocytes, protein, nitrites etc;
 for non-haemolysed blood {neg, trace, moderate}; for haemolysed blood {neg, trace, small, moderate,
 large}.</xs:documentation>
  </xs:annotation>
  <xs:complexContent>
    <xs:extension base="mlhim2:DvOrderedType">
      <xs:sequence>
        <xs:element maxOccurs="1" minOccurs="1" name="DvOrdinal_dv" type="xs:int"/>
        <xs:element maxOccurs="1" minOccurs="1" name="symbol" type="xs:string"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:DvRateType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Models a ratio of values, i.e. where the numerator and denominator are both pure numbers, and the numerator is not contained (it is not a subset of the denominator). Example 1: Numerator = Number of episodes of seizures; Denominator = Number of days Example 2 = Number of hospital admissions; Denominator = Number of bed-days The valid_proportion_kind property of the PROPORTION_KIND class is used to control the type attribute to be one of a defined set. Used for recording titers (e.g. 1:128), concentration ratios, e.g. Na:K (unitary denominator), albumin:creatinine ratio. Should not be used to represent things like blood pressure which are often written using a ‘/’ character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) “6/24” in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.

Diagram


mlhim2:DvRatioType (extension base)
Base Type mlhim2:DvQuantifiedType
mlhim2:DvQuantifiedType (extension base)
Base Type mlhim2:DvOrderedType
Abstract true
mlhim2:DvOrderedType (extension base)
Base Type mlhim2:DvAnyType
Abstract true
mlhim2:DvAnyType (extension base)
Abstract true
data_name
Type xs:string
ev
Type mlhim2:ExceptionalValueType
valid_time_begin
Type xs:dateTime
valid_time_end
Type xs:dateTime
Serves as a common ancestor of all datatypes in MLHIM models.
0..∞ normal_range
Type mlhim2:ReferenceRangeType
0..∞ other_reference_ranges
Type mlhim2:ReferenceRangeType
normal_status
Type xs:string
Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...
magnitude
Type xs:decimal
min_magnitude
Type xs:decimal
max_magnitude
Type xs:decimal
magnitude_status
Type xs:string
error
Type xs:int
accuracy
Type xs:decimal
Default 0
Abstract class defining the concept of true quantified values, i.e. values which are not only ordered, but which have a...
numerator
Type xs:decimal
denominator
Type xs:decimal
numerator_units
Type xs:string
denominator_units
Type xs:string
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers. Should not be used to...
rate_type
Type xs:string
DvRateType
Base Type mlhim2:DvRatioType
Models a ratio of values, i.e. where the numerator and denominator are both pure numbers, and the numerator is not...

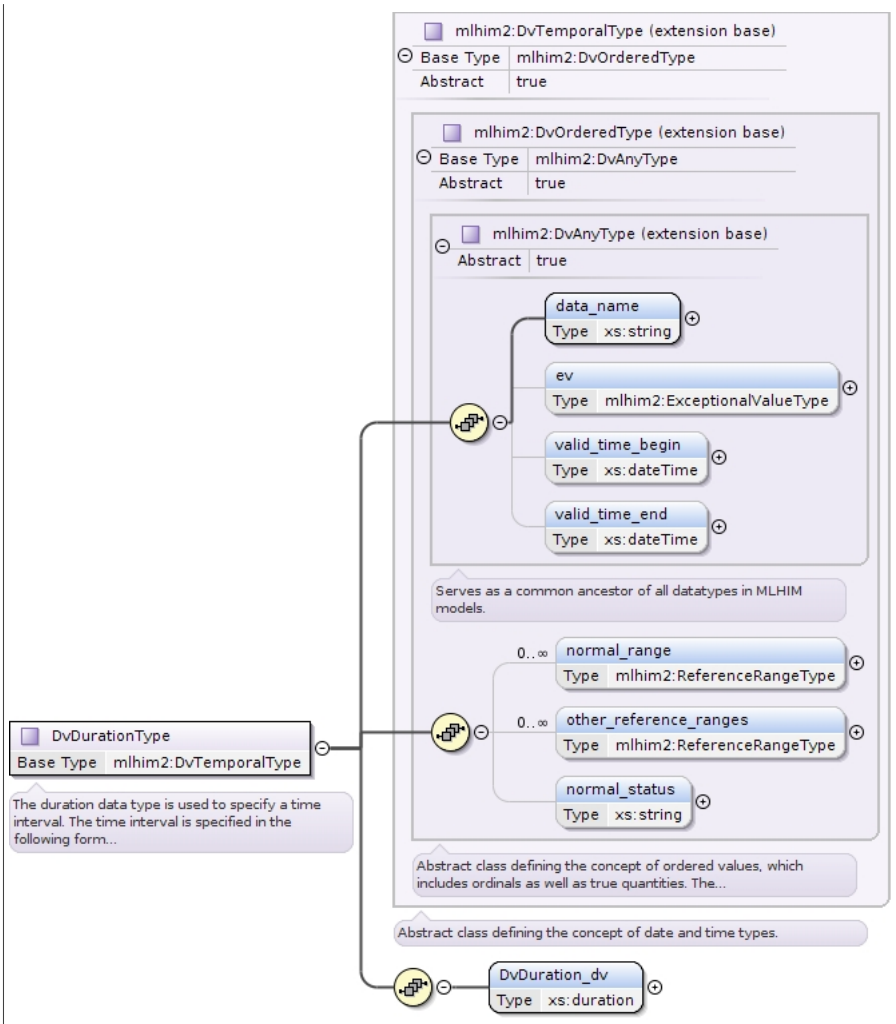
Type	extension of mlhim2:DvRatioType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvQuantifiedType
	  • mlhim2:DvRatioType
	  • mlhim2:DvRateType

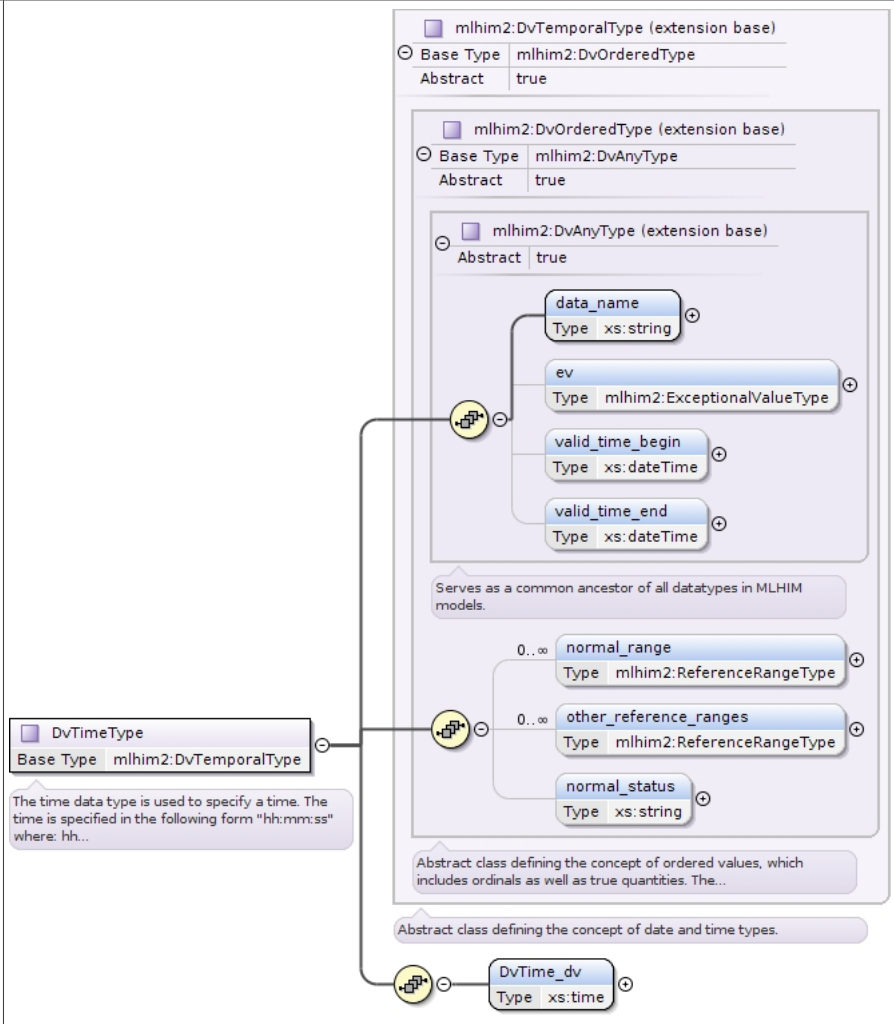
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , mlhim2:accuracy , mlhim2:numerator , mlhim2:denominator , mlhim2:numerator_units{0,1} , mlhim2:denominator_units{0,1} , mlhim2:rate_type{0,1}
Children	mlhim2:accuracy, mlhim2:data_name, mlhim2:denominator, mlhim2:denominator_units, mlhim2:error, mlhim2:ev, mlhim2:magnitude, mlhim2:magnitude_status, mlhim2:max_magnitude, mlhim2:min_magnitude, mlhim2:normal_range, mlhim2:normal_status, mlhim2:numerator, mlhim2:numerator_units, mlhim2:other_reference_ranges, mlhim2:rate_type, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvRateType"> <xs:annotation> <xs:documentation>Models a ratio of values, i.e. where the numerator and denominator are both pure numbers, and the numerator is not contained (it is not a subset of the denominator). Example 1: Numerator = Number of episodes of seizures; Denominator = Number of days Example 2 = Number of hospital admissions; Denominator = Number of bed-days The valid_proportion_kind property of the PROPORTION_KIND class is used to control the type attribute to be one of a defined set. Used for recording titers (e.g. 1:128), concentration ratios, e.g. Na:K (unitary denominator), albumin:creatinine ratio. Should not be used to represent things like blood pressure which are often written using a '/' character, giving the misleading impression that the item is a ratio, when in fact it is a structured value. Similarly, visual acuity, often written as (e.g.) "6/24" in clinical notes is not a ratio but an ordinal (which includes non-numeric symbols like CF = count fingers etc). Should not be used for formulations.</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvRatioType"> <xs:sequence> <xs:element maxOccurs="1" minOccurs="0" name="rate_type" type="xs:string"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvDurationType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The duration data type is used to specify a time interval. The time interval is specified in the following form "PnYnMnDTnHnMnS" where: P indicates the period (required) nY indicates the number of years nM indicates the number of months nD indicates the number of days T indicates the start of a time section (required if you are going to specify hours, minutes, or seconds) nH indicates the number of hours nM indicates the number of minutes nS indicates the number of seconds

Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	• mlhim2:DvAnyType • mlhim2:DvOrderedType • mlhim2:DvTemporalType • mlhim2:DvDurationType
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvDuration_dv
Children	mlhim2:DvDuration_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvDurationType"> <xs:annotation> <xs:documentation>The duration data type is used to specify a time interval. The time interval is specified in the following form "PnYnMnDTnHnMnS" where: P indicates the period (required) nY indicates the number of years nM indicates the number of months nD indicates the number of days T indicates the start of a time section (required if you are going to specify hours, minutes, or seconds) nH indicates the number of hours nM indicates the number of minutes nS indicates the number of seconds</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType"> <xs:sequence> <xs:element name="DvDuration_dv" type="xs:duration"/> </xs:sequence> </xs:extension> </xs:complexContent> </xs:complexType>

Complex Type `mlhim2:DvTimeType`

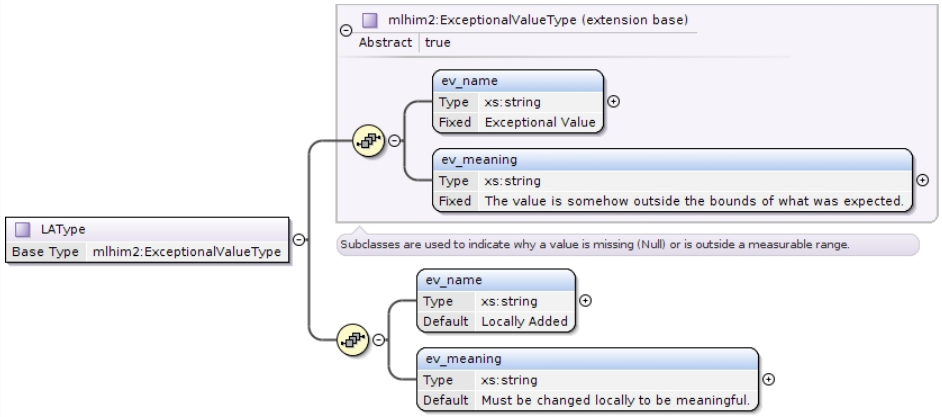
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	The time data type is used to specify a time. The time is specified in the following form "hh:mm:ss" where: hh indicates the hour mm indicates the minute ss indicates the second Note: All components are required!
Diagram	
Type	extension of mlhim2:DvTemporalType

Type hierarchy	• mlhim2:DvAnyType
	  • mlhim2:DvOrderedType
	  • mlhim2:DvTemporalType
	  • mlhim2:DvTimeType

Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:DvTime_dv
Children	mlhim2:DvTime_dv, mlhim2:data_name, mlhim2:ev, mlhim2:normal_range, mlhim2:normal_status, mlhim2:other_reference_ranges, mlhim2:valid_time_begin, mlhim2:valid_time_end
Source	<xs:complexType name="DvTimeType"> <xs:annotation> <xs:documentation>The time data type is used to specify a time. The time is specified in the following form "hh:mm:ss" where: hh indicates the hour mm indicates the minute ss indicates the second Note: All components are required!</xs:documentation> </xs:annotation> <xs:complexContent> <xs:extension base="mlhim2:DvTemporalType">

```
      <xs:sequence>
        <xs:element name="DvTime_dv" type="xs:time"/>
      </xs:sequence>
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Complex Type `mlhim2:LAType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:ExceptionalValueType
Type hierarchy	• mlhim2:ExceptionalValueType • mlhim2:LAType
Model	mlhim2:ev_name , mlhim2:ev_meaning , mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name

Source	<pre><xs:complexType name="LAType">
	  <xs:complexContent>
	  <xs:extension base="mlhim2:ExceptionalValueType">
	  <xs:sequence>
	  <xs:element default="Locally Added" name="ev_name" type="xs:string"/>
	  <xs:element default="Must be changed locally to be meaningful." name="ev_meaning"
	type="xs:string"/>
	  </xs:sequence>
	  </xs:extension>
	  </xs:complexContent>
	</xs:complexType></pre>