

Schema documentation for mlhim2.xsd

july 31, 2012

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

Schema(s)

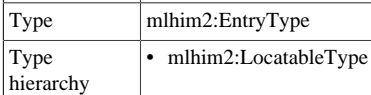
Main schema mlhim2.xsd

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
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	<ul style="list-style-type: none"> • mlhim2:DefinitionType • mlhim2:EntryType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> • mlhim2:CareEntry • mlhim2:AdminEntry • mlhim2:DemographicEntry 				
Substitution Group Affiliation	<ul style="list-style-type: none"> • 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	<pre> <mlhim2:Entry xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>				
Source	<pre> <xs:element name="Entry" abstract="true" substitutionGroup="mlhim2:Definition" type="mlhim2:EntryType" /> </pre>				

Element mlhim2:LocatableType / mlhim2:feeder_audit

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0				
Diagram					
Type	mlhim2:FeederAuditType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> </table>	content:	complex	minOccurs:	0
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	<pre> <mlhim2:feeder_audit xmlns:mlhim2="http://www.mlhim.org/xmles/mlhim2/2_3_0"> <mlhim2:originating_system_audit>{1,1}</mlhim2:originating_system_audit> <mlhim2:originating_system_ids>{1,unbounded}</mlhim2:originating_system_ids> </pre>				

	<pre> <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> </pre>
Source	<pre> <xs:element minOccurs="0" name="feeder_audit" type="mlhim2:FeederAuditType" /> </pre>

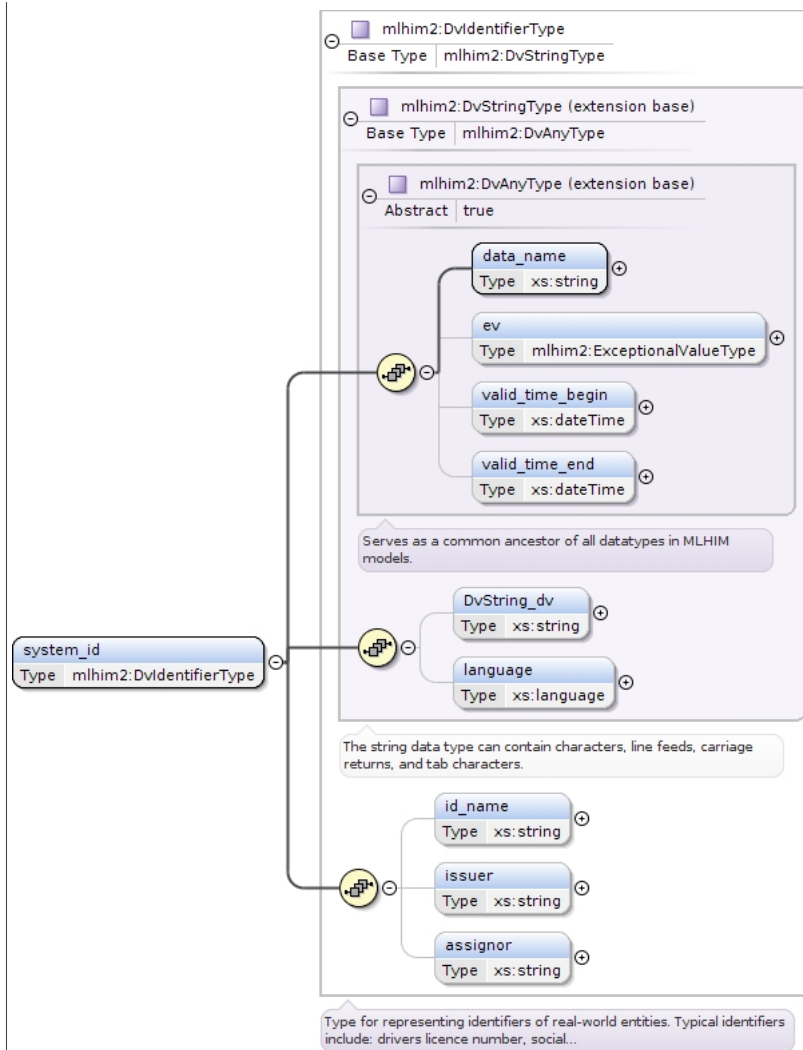
Element **mlhim2:FeederAuditType** / **mlhim2:originating_system_audit**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram							
Type	mlhim2:FeederAuditDetailsType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre> <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> </pre>						
Source	<pre> <xs:element maxOccurs="1" minOccurs="1" name="originating_system_audit" type="mlhim2:FeederAuditDetailsType" /> </pre>						

Element **mlhim2:FeederAuditDetailsType** / **mlhim2:system_id**

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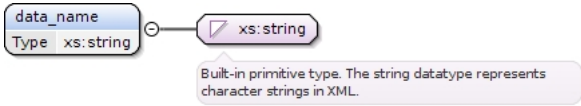
Diagram



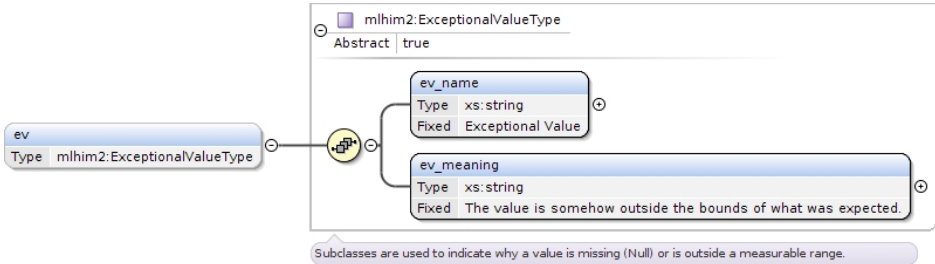
Type	mlhim2:DvIdentifierType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvStringType mlhim2:DvIdentifierType
Properties	content: complex
Model	mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:DvString_dv{0,1} , mlhim2:language{0,1} , 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	<pre> <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> </pre>
Source	<xs:element name="system_id" type="mlhim2:DvIdentifierType"/>

Element mlhim2:DvAnyType / mlhim2:data_name

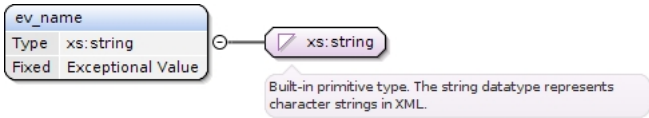
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram							
Type	xs:string						
Properties	<table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>1</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple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

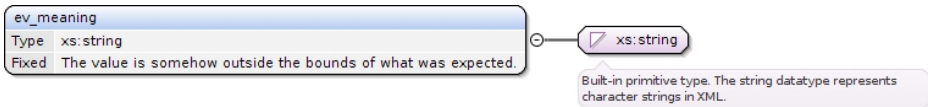
Element `mlhim2:DvAnyType` / `mlhim2:ev`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0								
Diagram									
Type	mlhim2:ExceptionalValueType								
Properties	<table> <tr><td>content:</td><td>complex</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> <tr><td>nillable:</td><td>true</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	1	nillable:	true
content:	complex								
minOccurs:	0								
maxOccurs:	1								
nillable:	true								
Model	mlhim2:ev_name , mlhim2:ev_meaning								
Children	mlhim2:ev_meaning, mlhim2:ev_name								
Instance	<pre><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></pre>								
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="ev" nillable="true" type="mlhim2:ExceptionalValueType"/></code>								

Element `mlhim2:ExceptionalValueType` / `mlhim2:ev_name`

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

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	<pre><xs:element fixed="The value is somehow outside the bounds of what was expected." name="ev_meaning" type="xs:string"/></pre>

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	<pre><xs:element maxOccurs="1" minOccurs="0" name="valid_time_begin" nillable="true" type="xs:dateTime"/></pre>

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	<pre><xs:element maxOccurs="1" minOccurs="0" name="valid_time_end" nillable="true" type="xs:dateTime"/></pre>

Element `mlhim2:DvStringType` / `mlhim2:DvString_dv`

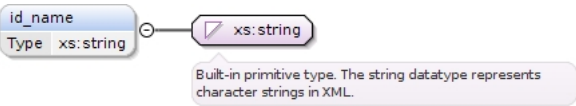
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple
	minOccurs: 0
Source	<pre><xs:element minOccurs="0" name="DvString_dv" type="xs:string"/></pre>

Element `mlhim2:DvStringType` / `mlhim2:language`

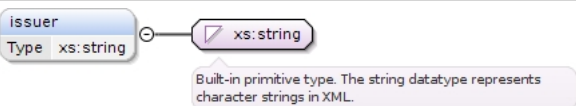
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	

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

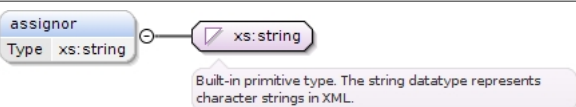
Element `mlhim2:DvIdentifierType` / `mlhim2:id_name`

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

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	<code><xs:element maxOccurs="1" minOccurs="0" name="issuer" type="xs:string"/></code>

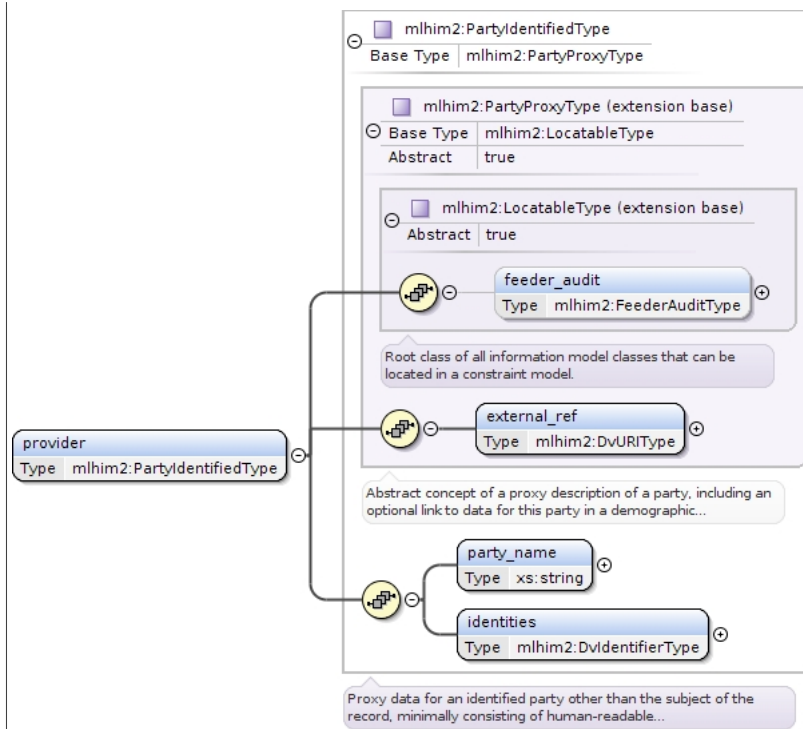
Element `mlhim2:DvIdentifierType` / `mlhim2:assignor`

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

Element `mlhim2:FeederAuditDetailsType` / `mlhim2:provider`

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



Type	mlhim2:PartyIdentifiedType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <mlhim2:provider xmlns:mlhim2="http://www.mlhim.org/xm1s/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> </pre>
Source	<xs:element name="provider" type="mlhim2:PartyIdentifiedType" />

Element mlhim2:PartyProxyType / mlhim2:external_ref

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram	
Type	mlhim2:DvURIType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<code><xs:element name="external_ref" type="mlhim2:DvURIType"/></code>

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	<code><xs:element minOccurs="0" name="DvURI_dv" type="xs:anyURI"/></code>

Element mlhim2:PartyIdentifiedType / mlhim2:party_name

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

Source	<code><xs:element name="party_name" type="xs:string"/></code>
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Element `mlhim2:PartyIdentifiedType` / `mlhim2:identities`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the class hierarchy and structure of the <code>mlhim2:PartyIdentifiedType</code> element. It shows the following hierarchy:</p> <ul style="list-style-type: none"> <code>mlhim2:DvIdentifierType</code> (Base Type: <code>mlhim2:DvStringType</code>) <ul style="list-style-type: none"> <code>mlhim2:DvStringType</code> (extension base: <code>mlhim2:DvAnyType</code>) <ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> (extension base: <code>mlhim2:DvAnyType</code>, Abstract: true) <ul style="list-style-type: none"> <code>data_name</code> (Type: <code>xs:string</code>) <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>) <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>) <code>valid_time_end</code> (Type: <code>xs:dateTime</code>) <p>Additional elements and their types:</p> <ul style="list-style-type: none"> <code>DvString_dv</code> (Type: <code>xs:string</code>) <code>language</code> (Type: <code>xs:language</code>) <code>id_name</code> (Type: <code>xs:string</code>) <code>issuer</code> (Type: <code>xs:string</code>) <code>assignor</code> (Type: <code>xs:string</code>) <p>Notes from the diagram:</p> <ul style="list-style-type: none"> Serves as a common ancestor of all datatypes in MLHIM models. The string data type can contain characters, line feeds, carriage returns, and tab characters. Type for representing identifiers of real-world entities. Typical identifiers include: drivers licence number, social...
Type	<code>mlhim2:DvIdentifierType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:DvStringType</code> <code>mlhim2:DvIdentifierType</code>
Properties	content: complex
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:DvString_dv{0,1}</code> , <code>mlhim2:language{0,1}</code> , <code>mlhim2:id_name{0,1}</code> , <code>mlhim2:issuer{0,1}</code> , <code>mlhim2:assignor{0,1}</code>
Children	<code>mlhim2:DvString_dv</code> , <code>mlhim2:assignor</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:id_name</code> , <code>mlhim2:issuer</code> , <code>mlhim2:language</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre> <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> </pre>
Source	<code><xs:element name="identities" type="mlhim2:DvIdentifierType"/></code>

Element mlhim2:FeederAuditDetailsType / mlhim2:location

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:SlotType
Type hierarchy	<ul style="list-style-type: none"> • 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	<pre><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></pre>
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	<pre><mlhim2:ccd xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:definition>{1,1}</mlhim2:definition> </mlhim2:ccd></pre>
Source	<pre><xs:element maxOccurs="1" minOccurs="0" name="ccd" type="mlhim2:CCDType"/></pre>

Element mlhim2:CCDType / mlhim2:definition

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2:DefinitionType { <<abstract>> } class mlhim2:LocatableType { <<abstract>> } class mlhim2:FeederAuditType mlhim2:DefinitionType < -- mlhim2:LocatableType mlhim2:DefinitionType < -- mlhim2:FeederAuditType </pre> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value...</p>
Type	mlhim2:DefinitionType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<pre><mlhim2:definition xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:definition></pre>
Source	<pre><xs:element name="definition" type="mlhim2:DefinitionType"/></pre>

Element mlhim2:FeederAuditDetailsType / mlhim2:time

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	<p>UML class diagram illustrating the hierarchy of <code>mlhim2:DvDateTimeType</code>:</p> <ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> (extension base, abstract, true) <ul style="list-style-type: none"> Elements: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). Serves as a common ancestor of all datatypes in MLHIM models. <code>mlhim2:DvOrderedType</code> (extension base, abstract, true) <ul style="list-style-type: none"> Inherits from <code>mlhim2:DvAnyType</code>. Elements: <code>normal_range</code> (Type: <code>mlhim2:ReferenceRangeType</code>), <code>other_reference_ranges</code> (Type: <code>mlhim2:ReferenceRangeType</code>), <code>normal_status</code> (Type: <code>xs:string</code>). Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... <code>mlhim2:DvTemporalType</code> (extension base) <ul style="list-style-type: none"> Inherits from <code>mlhim2:DvOrderedType</code>. Elements: <code>normal_range</code> (Type: <code>mlhim2:ReferenceRangeType</code>), <code>other_reference_ranges</code> (Type: <code>mlhim2:ReferenceRangeType</code>), <code>normal_status</code> (Type: <code>xs:string</code>). Abstract class defining the concept of date and time types. <code>mlhim2:DvDateTimeType</code> <ul style="list-style-type: none"> Inherits from <code>mlhim2:DvTemporalType</code>. Element: <code>DvDateTime_dv</code> (Type: <code>xs:dateTime</code>). All dates and times representations in MLHIM use this class. Represents an absolute point in time. Used for recording a... <p>A separate class <code>time</code> (Type: <code>mlhim2:DvDateTimeType</code>) is shown on the left, connected to the <code>DvDateTime_dv</code> element in the hierarchy.</p>
Type	<code>mlhim2:DvDateTimeType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:DvOrderedType</code> <code>mlhim2:DvTemporalType</code> <code>mlhim2:DvDateTimeType</code>
Properties	content: complex
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev</code> {0,1}, <code>mlhim2:valid_time_begin</code> {0,1}, <code>mlhim2:valid_time_end</code> {0,1}, <code>mlhim2:normal_range</code> *, <code>mlhim2:other_reference_ranges</code> *, <code>mlhim2:normal_status</code> {0,1}, <code>mlhim2:DvDateTime_dv</code>
Children	<code>mlhim2:DvDateTime_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:normal_range</code> , <code>mlhim2:normal_status</code> , <code>mlhim2:other_reference_ranges</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre><mlhim2:time xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<code><xs:element name="time" type="mlhim2:DvDateTimeType"/></code>

Element mlhim2:DvOrderedType / mlhim2:normal_range

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	<p>UML diagram illustrating the structure of <code>mlhim2:DvOrderedType</code> (Base Type <code>mlhim2:DvAnyType</code>):</p> <ul style="list-style-type: none"> mlhim2:DvOrderedType (Base Type <code>mlhim2:DvAnyType</code>): <ul style="list-style-type: none"> Abstract: true Attributes: <ul style="list-style-type: none"> <code>data_name</code> (Type: <code>xs:string</code>) <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>) <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>) <code>valid_time_end</code> (Type: <code>xs:dateTime</code>) Child Elements: <ul style="list-style-type: none"> <code>ReferenceRange_definition</code> (Type: <code>xs:string</code>) <code>data_range</code> (Type: <code>mlhim2:DvIntervalType</code>) normal_range (Type: <code>mlhim2:ReferenceRangeType</code>): <ul style="list-style-type: none"> Cardinality: 1 Relationship: Generalization of <code>mlhim2:DvOrderedType</code>. <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Defines a named range to be associated with any ORDERED datum. Each such range is particular to the patient and...</p>						
Type	mlhim2:ReferenceRangeType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:ReferenceRangeType 						
Properties	<table border="1"> <tr> <td>content:</td> <td>complex</td> </tr> <tr> <td>minOccurs:</td> <td>0</td> </tr> <tr> <td>maxOccurs:</td> <td>unbounded</td> </tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
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	<pre><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></pre>						
Source	<pre><xs:element maxOccurs="unbounded" minOccurs="0" name="normal_range" type="mlhim2:ReferenceRangeType"/></pre>						

Element mlhim2:ReferenceRangeType / mlhim2:ReferenceRange_definition

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0		
Diagram	<p>UML diagram illustrating the structure of <code>mlhim2:ReferenceRange_definition</code> (Type: <code>xs:string</code>):</p> <ul style="list-style-type: none"> ReferenceRange_definition (Type: <code>xs:string</code>): <ul style="list-style-type: none"> Cardinality: 1 Relationship: Generalization of <code>xs:string</code>. <p>Built-in primitive type. The string datatype represents character strings in XML.</p>		
Type	xs:string		
Properties	<table border="1"> <tr> <td>content:</td> <td>simple</td> </tr> </table>	content:	simple
content:	simple		
Source	<pre><xs:element name="ReferenceRange_definition" type="xs:string"/></pre>		

Element `mlhim2:ReferenceRangeType` / `mlhim2:data_range`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	<pre> classDiagram class mlhim2DvIntervalType { Type mlhim2DvIntervalType } class mlhim2DvAnyType { <<abstract>> data_name xs:string ev mlhim2ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime } mlhim2DvIntervalType -- > mlhim2DvAnyType </pre> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Generic class defining an interval (i.e. range) of a comparable type. An interval is a contiguous subrange of a...</p>						
Type	mlhim2:DvIntervalType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvIntervalType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre> <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> </pre>						
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	<pre> classDiagram class mlhim2DvOrderedType { <<abstract>> } class mlhim2DvAnyType { <<abstract>> data_name xs:string ev mlhim2ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime normal_range mlhim2ReferenceRangeType other_reference_ranges mlhim2ReferenceRangeType normal_status xs:string } mlhim2DvOrderedType < -- mlhim2DvAnyType mlhim2DvAnyType < -- mlhim2lower </pre> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...</p>
Type	mlhim2:DvOrderedType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>
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
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Diagram							
Type	mlhim2:ReferenceRangeType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:ReferenceRangeType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
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	<pre><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></pre>						
Source	<pre><xs:element maxOccurs="unbounded" minOccurs="0" name="other_reference_ranges" type="mlhim2:ReferenceRangeType"/></pre>						

Element mlhim2:DvOrderedType / mlhim2:normal_status

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

Element mlhim2:DvIntervalType / mlhim2:upper

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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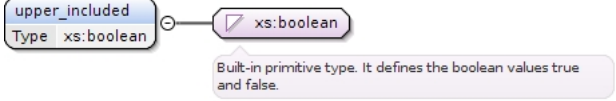
Diagram	
Type	mlhim2:DvOrderedType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvOrderedType
Properties	content: complex
Model	mlhim2:data_name, mlhim2:ev{0,1}, mlhim2:valid_time_begin{0,1}, mlhim2:valid_time_end{0,1}, mlhim2:normal_range*, mlhim2:other_reference_ranges*, 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	<pre><mlhim2:upper xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<xs:element name="upper" type="mlhim2:DvOrderedType" />

Element mlhim2:DvIntervalType / mlhim2:lower_included

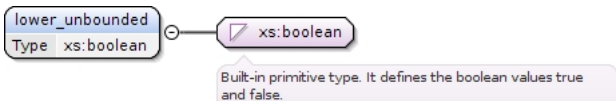
Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
Diagram	
Type	xs:boolean
Properties	content: simple
Source	<xs:element name="lower_included" type="xs:boolean" />

Element mlhim2:DvIntervalType / mlhim2:upper_included

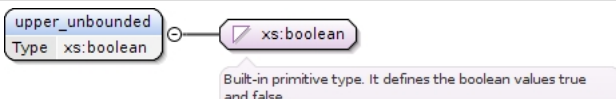
Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
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Diagram	 <p>The diagram shows an element box labeled 'upper_included' with 'Type xs:boolean' below it. A line connects this box to a 'xs:boolean' type box. A callout bubble points to the 'xs:boolean' box with the text: 'Built-in primitive type. It defines the boolean values true and false.'</p>
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="upper_included" type="xs:boolean"/></code>

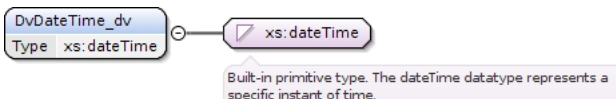
Element `mlhim2:DvIntervalType` / `mlhim2:lower_unbounded`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	 <p>The diagram shows an element box labeled 'lower_unbounded' with 'Type xs:boolean' below it. A line connects this box to a 'xs:boolean' type box. A callout bubble points to the 'xs:boolean' box with the text: 'Built-in primitive type. It defines the boolean values true and false.'</p>
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="lower_unbounded" type="xs:boolean"/></code>

Element `mlhim2:DvIntervalType` / `mlhim2:upper_unbounded`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	 <p>The diagram shows an element box labeled 'upper_unbounded' with 'Type xs:boolean' below it. A line connects this box to a 'xs:boolean' type box. A callout bubble points to the 'xs:boolean' box with the text: 'Built-in primitive type. It defines the boolean values true and false.'</p>
Type	xs:boolean
Properties	content: simple
Source	<code><xs:element name="upper_unbounded" type="xs:boolean"/></code>

Element `mlhim2:DvDateTimeType` / `mlhim2:DvDateTime_dv`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	 <p>The diagram shows an element box labeled 'DvDateTime_dv' with 'Type xs:dateTime' below it. A line connects this box to a 'xs:dateTime' type box. A callout bubble points to the 'xs:dateTime' box with the text: 'Built-in primitive type. The dateTime datatype represents a specific instant of time.'</p>
Type	xs:dateTime
Properties	content: simple
Source	<code><xs:element name="DvDateTime_dv" type="xs:dateTime"/></code>

Element `mlhim2:FeederAuditDetailsType` / `mlhim2:subject`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:PartyProxyType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Instance	<pre><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></pre>
Source	<code><xs:element name="subject" type="mlhim2:PartyProxyType" /></code>

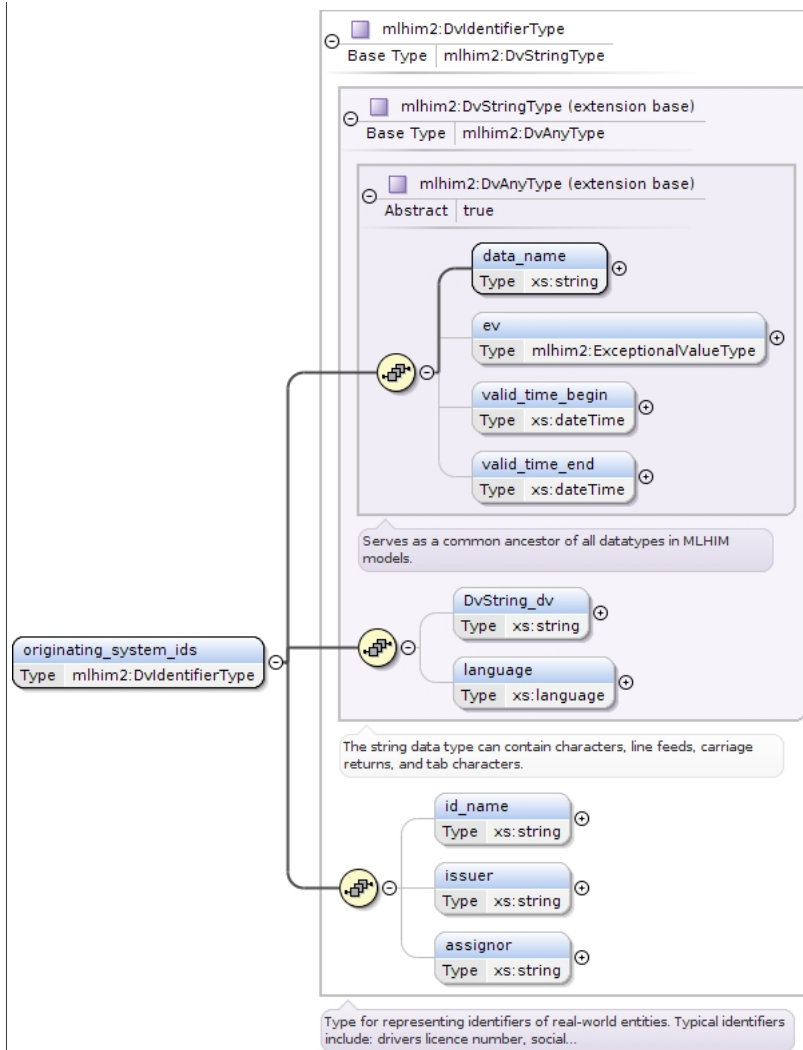
Element mlhim2:FeederAuditDetailsType / mlhim2:version_id

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

Element mlhim2:FeederAuditType / mlhim2:originating_system_ids

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



Type	mlhim2:DvIdentifierType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> mlhim2:DvIdentifierType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
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	<pre> <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> </pre>						
Source	<pre> <xs:element maxOccurs="unbounded" minOccurs="1" name="originating_system_ids" type="mlhim2:DvIdentifierType"/> </pre>						

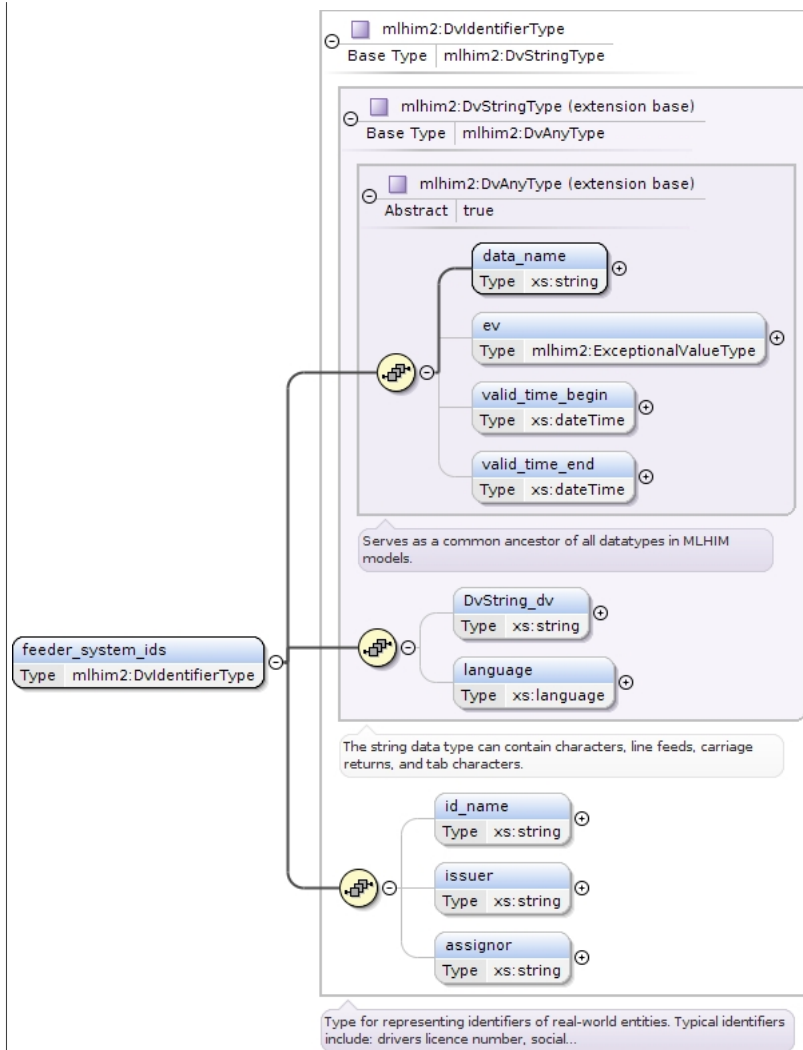
Element mlhim2:FeederAuditType / mlhim2:feeder_system_audit

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

Element mlhim2:FeederAuditType / mlhim2:feeder_system_ids

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



Type	mlhim2:DvIdentifierType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> mlhim2:DvIdentifierType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
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	<pre> <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> </pre>						
Source	<pre> <xs:element maxOccurs="unbounded" minOccurs="1" name="feeder_system_ids" type="mlhim2:DvIdentifierType"/> </pre>						

Element `mlhim2:FeederAuditType` / `mlhim2:original_content`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	<p>The diagram illustrates the class hierarchy and structure of <code>mlhim2:DvParsableType</code>. It is an extension of <code>mlhim2:DvEncapsulatedType</code>, which in turn extends <code>mlhim2:DvAnyType</code>. The <code>mlhim2:DvAnyType</code> class is abstract and serves as a common ancestor for all datatypes in MLHIM models. The <code>mlhim2:DvParsableType</code> class is defined by the common meta-data of all types of encapsulated data. It includes attributes such as <code>data_name</code> (Type: xs:string), <code>ev</code> (Type: mlhim2:ExceptionalValueType), <code>valid_time_begin</code> (Type: xs:dateTime), <code>valid_time_end</code> (Type: xs:dateTime), <code>size</code> (Type: xs:int), <code>charset</code> (Type: xs:string), <code>language</code> (Type: xs:language), <code>DvParsable_dv</code> (Type: xs:string), and <code>formalism</code> (Type: xs:string). The diagram also notes that encapsulated data is expressed as a parsable String, and the internal model of the data item is not described in the MLHIM...</p>						
Type	mlhim2:DvParsableType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvEncapsulatedType <ul style="list-style-type: none"> mlhim2:DvParsableType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre> <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> </pre>						

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

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

Element mlhim2:DvEncapsulatedType / mlhim2:charset

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

Element mlhim2:DvEncapsulatedType / mlhim2:language

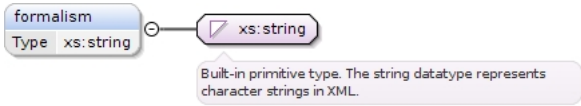
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram							
Type	xs:language						
Properties	<table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple		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

Element mlhim2:DvParsableType / mlhim2:DvParsable_dv

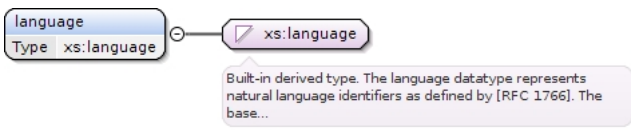
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> </table>	content:	simple	minOccurs:	0
content:	simple				
minOccurs:	0				
Source	<code><xs:element minOccurs="0" name="DvParsable_dv"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

Element mlhim2:DvParsableType / mlhim2:formalism

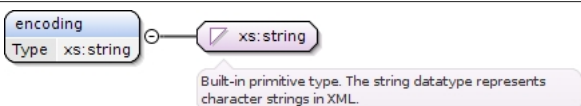
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple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

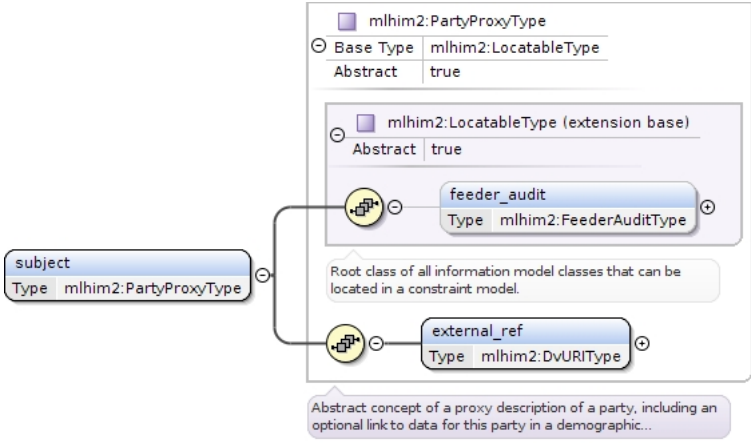
Element `mlhim2:EntryType` / `mlhim2:language`

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

Element `mlhim2:EntryType` / `mlhim2:encoding`

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

Element `mlhim2:EntryType` / `mlhim2:subject`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0		
Diagram			
Type	mlhim2:PartyProxyType		
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:PartyProxyType 		
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		

	minOccurs: 1
	maxOccurs: 1
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Instance	<pre><mlhim2:subject xmlns:mlhim2="http://www.mlhim.org/xm1s/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:external_ref>{1,1}</mlhim2:external_ref> </mlhim2:subject></pre>
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="subject" type="mlhim2:PartyProxyType"/></code>

Element mlhim2:EntryType / mlhim2:provider

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
Diagram	
Type	mlhim2:PartyProxyType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:PartyProxyType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Instance	<pre><mlhim2:provider xmlns:mlhim2="http://www.mlhim.org/xm1s/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> <mlhim2:external_ref>{1,1}</mlhim2:external_ref> </mlhim2:provider></pre>
Source	<code><xs:element name="provider" type="mlhim2:PartyProxyType"/></code>

Element mlhim2:EntryType / mlhim2:other_participations

Namespace	http://www.mlhim.org/xm1s/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	<pre><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></pre>
Source	<pre><xs:element maxOccurs="unbounded" minOccurs="0" name="other_participations" type="mlhim2:ParticipationType"/></pre>

Element mlhim2:ParticipationType / mlhim2:performer

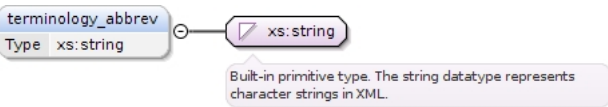
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2PartyProxyType["mlhim2:PartyProxyType"] { <<abstract>> } class mlhim2LocatableType["mlhim2:LocatableType (extension base)"] { <<abstract>> } class mlhim2FeederAuditType["mlhim2:FeederAuditType"] class mlhim2DvURIType["mlhim2:DvURIType"] mlhim2PartyProxyType < -- mlhim2LocatableType mlhim2PartyProxyType < -- mlhim2FeederAuditType mlhim2PartyProxyType < -- mlhim2DvURIType mlhim2FeederAuditType --> mlhim2PartyProxyType : feeder_audit mlhim2DvURIType --> mlhim2PartyProxyType : external_ref </pre> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>Abstract concept of a proxy description of a party, including an optional link to data for this party in a demographic...</p>
Type	mlhim2:PartyProxyType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<pre><xs:element maxOccurs="1" minOccurs="1" name="performer" type="mlhim2:PartyProxyType"/></pre>

Element mlhim2:ParticipationType / mlhim2:function

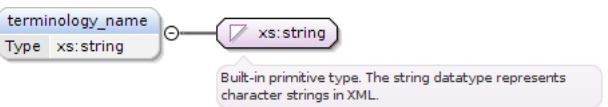
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	<p>The diagram illustrates the structure of the <code>mlhim2:DvCodedStringType</code>. It is a function type that extends <code>mlhim2:DvStringType</code>, which extends <code>mlhim2:DvAnyType</code>. The <code>mlhim2:DvAnyType</code> is an abstract type with attributes <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), and <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). A note states: "Serves as a common ancestor of all datatypes in MLHIM models." The <code>mlhim2:DvStringType</code> extends <code>mlhim2:DvAnyType</code> and has attributes <code>DvString_dv</code> (Type: <code>xs:string</code>) and <code>language</code> (Type: <code>xs:language</code>). A note states: "The string data type can contain characters, line feeds, carriage returns, and tab characters." The <code>mlhim2:DvCodedStringType</code> is a function type that has attributes <code>terminology_abbrev</code> (Type: <code>xs:string</code>), <code>terminology_name</code> (Type: <code>xs:string</code>), and <code>terminology_code</code> (Type: <code>xs:string</code>). A note states: "A text item whose string_dv attribute must be the long name or description from a controlled terminology. The key (i.e....".</p>						
Type	<code>mlhim2:DvCodedStringType</code>						
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvStringType</code> <ul style="list-style-type: none"> <code>mlhim2:DvCodedStringType</code> 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:DvString_dv{0,1}</code> , <code>mlhim2:language{0,1}</code> , <code>mlhim2:terminology_abbrev{0,1}</code> , <code>mlhim2:terminology_name{0,1}</code> , <code>mlhim2:terminology_code{0,1}</code>						
Children	<code>mlhim2:DvString_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:language</code> , <code>mlhim2:terminology_abbrev</code> , <code>mlhim2:terminology_code</code> , <code>mlhim2:terminology_name</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>						
Instance	<pre> <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> </pre>						
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="function" type="mlhim2:DvCodedStringType"/></code>						

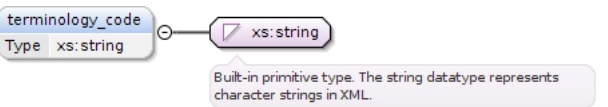
Element mlhim2:DvCodedStringType / mlhim2:terminology_abbrev

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

Element mlhim2:DvCodedStringType / mlhim2:terminology_name

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

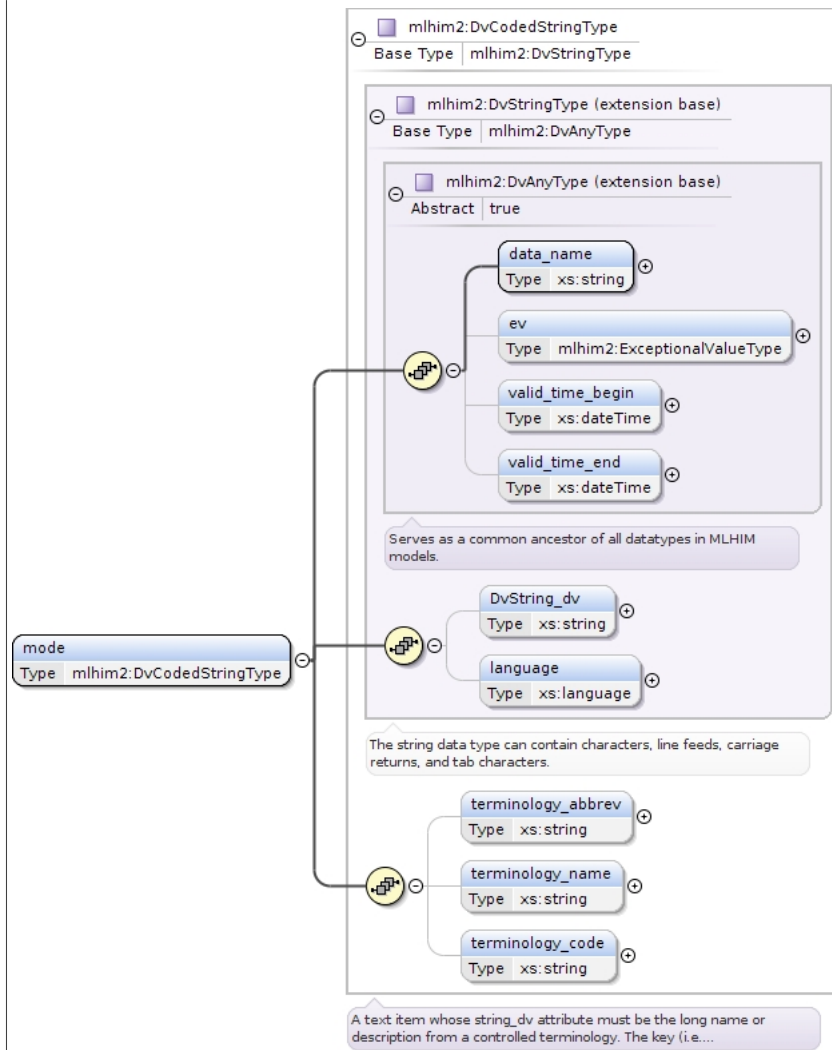
Element mlhim2:DvCodedStringType / mlhim2:terminology_code

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

Element mlhim2:ParticipationType / mlhim2:mode

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



Type	mlhim2:DvCodedStringType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvStringType mlhim2:DvCodedStringType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre><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></pre>						
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	<p>The diagram illustrates the class hierarchy and structure of the <code>mlhim2:DvDateTimeType</code> element. It shows the following hierarchy:</p> <ul style="list-style-type: none"> <code>mlhim2:DvDateTimeType</code> (Base Type: <code>mlhim2:DvTemporalType</code>) <ul style="list-style-type: none"> <code>mlhim2:DvTemporalType</code> (extension base) <ul style="list-style-type: none"> <code>mlhim2:DvOrderedType</code> (extension base) <ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> (extension base) <ul style="list-style-type: none"> <code>data_name</code> (Type: <code>xs:string</code>) <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>) <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>) <code>valid_time_end</code> (Type: <code>xs:dateTime</code>) <code>normal_range</code> (Type: <code>mlhim2:ReferenceRangeType</code>) <code>other_reference_ranges</code> (Type: <code>mlhim2:ReferenceRangeType</code>) <code>normal_status</code> (Type: <code>xs:string</code>) <p>Annotations in the diagram:</p> <ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code>: Serves as a common ancestor of all datatypes in MLHIM models. <code>mlhim2:DvOrderedType</code>: Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... <code>mlhim2:DvTemporalType</code>: Abstract class defining the concept of date and time types. <code>mlhim2:DvDateTimeType</code>: All dates and times representations in MLHIM use this class. Represents an absolute point in time. Used for recording a... <p>The <code>start_time</code> element is shown as an instance of <code>mlhim2:DvDateTimeType</code>.</p>
Type	<code>mlhim2:DvDateTimeType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvOrderedType</code> <ul style="list-style-type: none"> <code>mlhim2:DvTemporalType</code> <ul style="list-style-type: none"> <code>mlhim2:DvDateTimeType</code>
Properties	content: complex
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev</code> {0,1}, <code>mlhim2:valid_time_begin</code> {0,1}, <code>mlhim2:valid_time_end</code> {0,1}, <code>mlhim2:normal_range</code> *, <code>mlhim2:other_reference_ranges</code> *, <code>mlhim2:normal_status</code> {0,1}, <code>mlhim2:DvDateTime_dv</code>
Children	<code>mlhim2:DvDateTime_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:normal_range</code> , <code>mlhim2:normal_status</code> , <code>mlhim2:other_reference_ranges</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre> <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> </pre>

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

Element `mlhim2:ParticipationType` / `mlhim2:end_time`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvDateTimeType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

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

Element mlhim2:EntryType / mlhim2:protocol_id

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2DvAnyType { <<abstract>> data_name xs:string ev mlhim2ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime } class mlhim2DvStringType { DvString_dv xs:string language xs:language } class mlhim2DvIdentifierType { id_name xs:string issuer xs:string assignor xs:string } mlhim2DvAnyType < -- mlhim2DvStringType mlhim2DvStringType < -- mlhim2DvIdentifierType </pre> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>The string data type can contain characters, line feeds, carriage returns, and tab characters.</p> <p>Type for representing identifiers of real-world entities. Typical identifiers include: drivers licence number, social...</p>
Type	mlhim2:DvIdentifierType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

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

Element `mlhim2:EntryType` / `mlhim2:current_state`

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

Element `mlhim2:EntryType` / `mlhim2:workflow_id`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:DvURIType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>
Source	<code><xs:element name="workflow_id" type="mlhim2:DvURIType" /></code>

Element `mlhim2:EntryType` / `mlhim2:links`

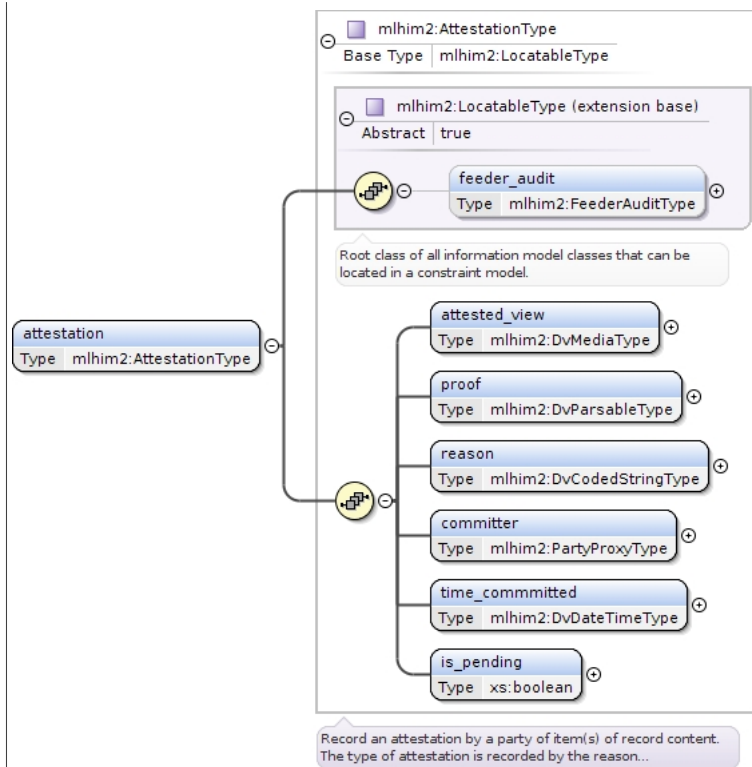
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram							
Type	mlhim2:DvURIType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvURIType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	0	maxOccurs:	unbounded
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	<pre><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></pre>						
Source	<code><xs:element maxOccurs="unbounded" minOccurs="0" name="links" type="mlhim2:DvURIType" /></code>						

Element mlhim2:EntryType / mlhim2:attestation

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

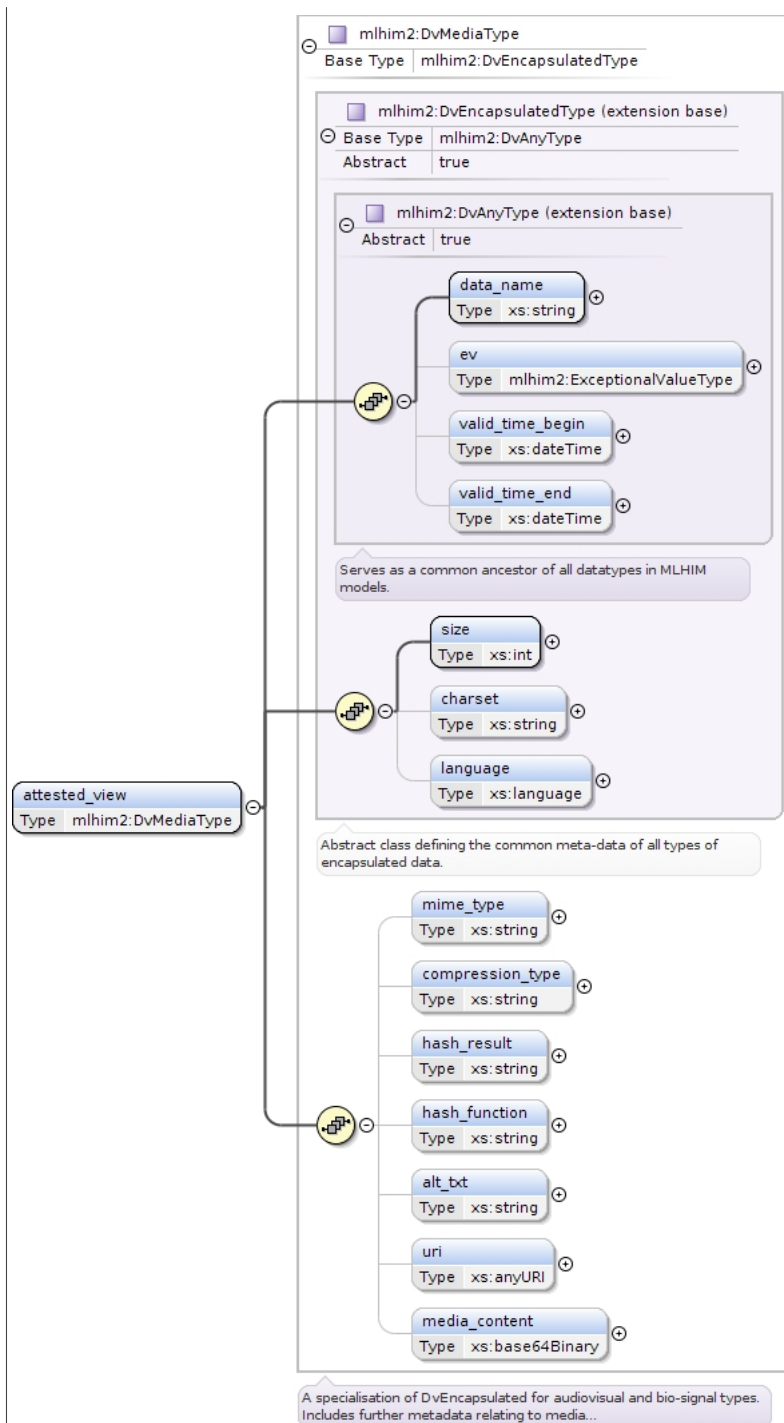


Type	mlhim2:AttestationType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:AttestationType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1}, mlhim2:attested_view, mlhim2:proof, mlhim2:reason, mlhim2:committer, mlhim2:time_committed, mlhim2:is_pending
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_committed
Instance	<pre> <mlhim2:attestation xmlns:mlhim2="http://www.mlhim.org/xm1s/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_committed>{1,1}</mlhim2:time_committed> <mlhim2:is_pending>{1,1}</mlhim2:is_pending> </mlhim2:attestation> </pre>
Source	<xs:element name="attestation" type="mlhim2:AttestationType"/>

Element mlhim2:AttestationType / mlhim2:attested_view

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram



Type	mlhim2:DvMediaType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvEncapsulatedType <ul style="list-style-type: none"> 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	<pre> <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> </pre>
Source	<pre> <xs:element name="attested_view" type="mlhim2:DvMediaType"/> </pre>

Element mlhim2:DvMediaType / mlhim2:mime_type

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

Element mlhim2:DvMediaType / mlhim2:compression_type

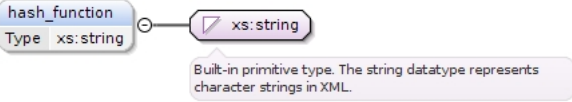
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram							
Type	xs:string						
Properties	<table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple				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

Element mlhim2:DvMediaType / mlhim2:hash_result

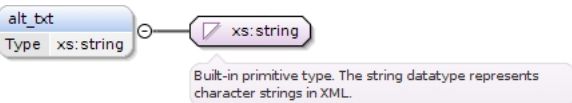
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram							
Type	xs:string						
Properties	<table> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple				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

Element mlhim2:DvMediaType / mlhim2:hash_function


Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	 <p>The diagram shows an element named <code>hash_function</code> with a type of <code>xs:string</code>. A callout box explains that <code>xs:string</code> is a built-in primitive type representing character strings in XML.</p>						
Type	xs:string						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="hash_function" type="xs:string"/></code>						

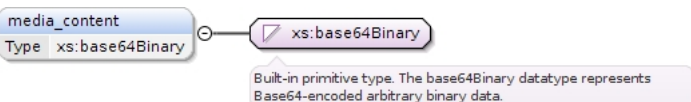
Element `mlhim2:DvMediaType` / `mlhim2:alt_txt`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	 <p>The diagram shows an element named <code>alt_txt</code> with a type of <code>xs:string</code>. A callout box explains that <code>xs:string</code> is a built-in primitive type representing character strings in XML.</p>						
Type	xs:string						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="alt_txt" type="xs:string"/></code>						

Element `mlhim2:DvMediaType` / `mlhim2:uri`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	 <p>The diagram shows an element named <code>uri</code> with a type of <code>xs:anyURI</code>. A callout box explains that <code>xs:anyURI</code> is a built-in primitive type representing a Uniform Resource Identifier Reference (URI).</p>						
Type	xs:anyURI						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="uri" type="xs:anyURI"/></code>						

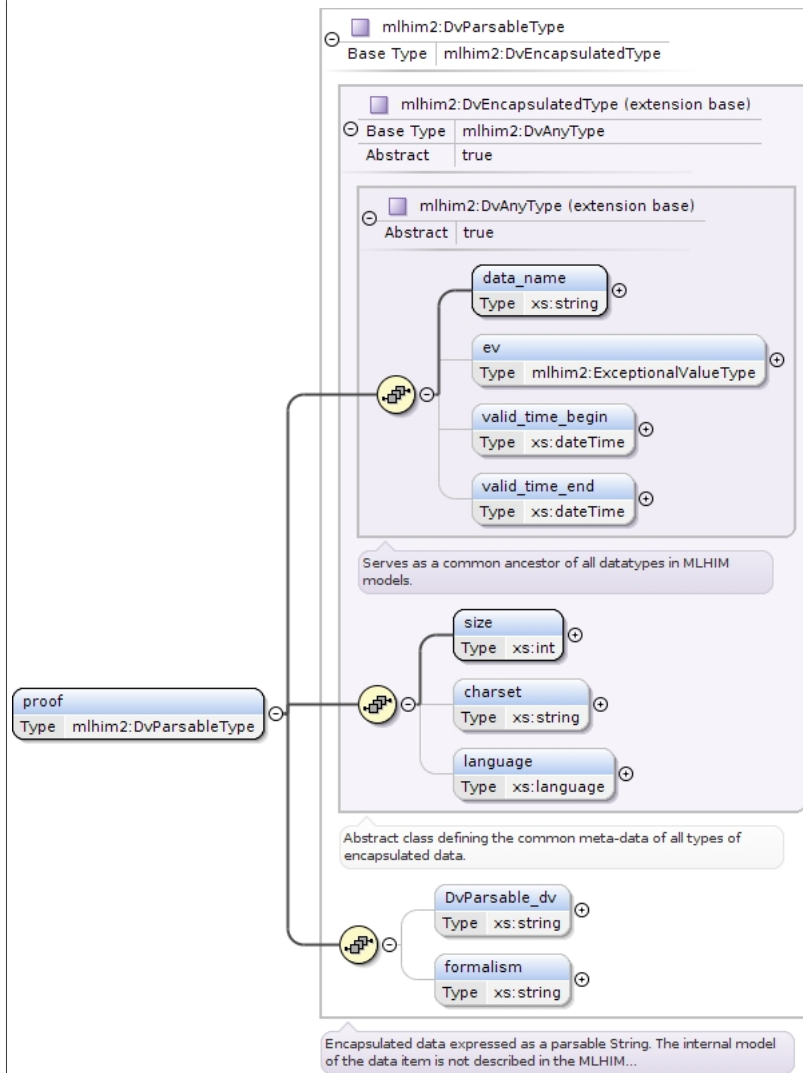
Element `mlhim2:DvMediaType` / `mlhim2:media_content`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	 <p>The diagram shows an element named <code>media_content</code> with a type of <code>xs:base64Binary</code>. A callout box explains that <code>xs:base64Binary</code> is a built-in primitive type representing Base64-encoded arbitrary binary data.</p>						
Type	xs:base64Binary						
Properties	<table border="1"> <tr><td>content:</td><td>simple</td></tr> <tr><td>minOccurs:</td><td>0</td></tr> <tr><td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="media_content" type="xs:base64Binary"/></code>						

Element `mlhim2:AttestationType` / `mlhim2:proof`

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

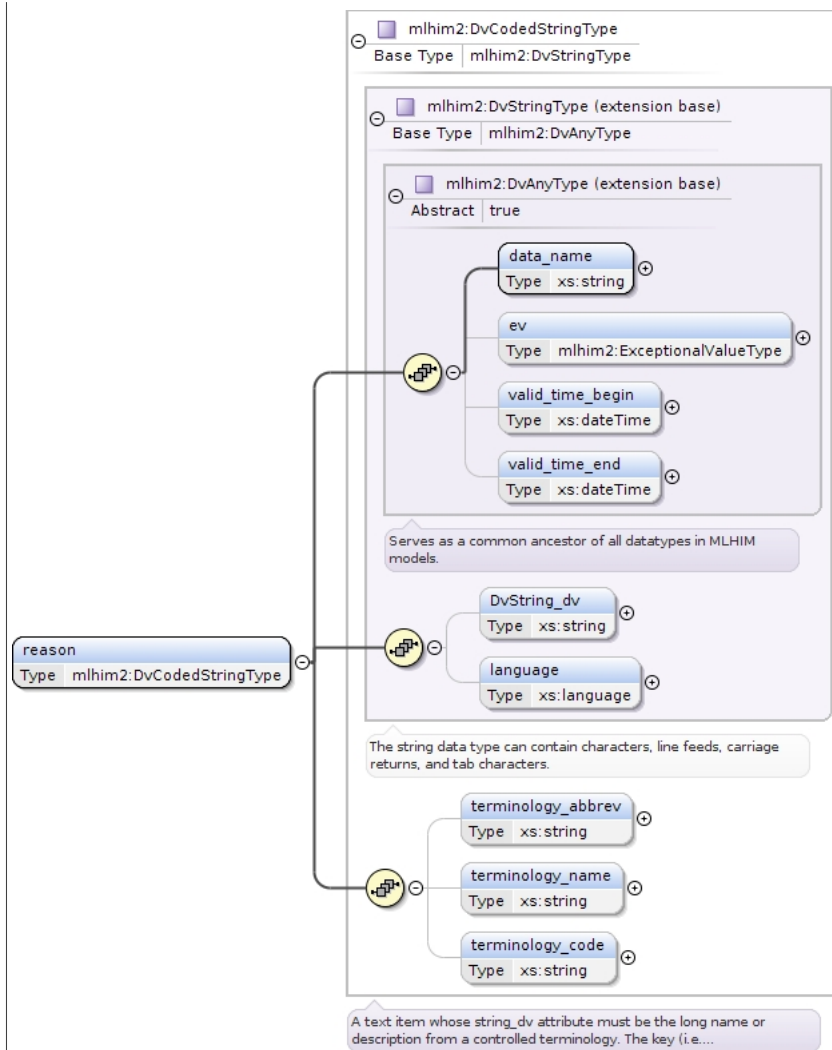
```
<mlhim2:proof xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0">
  <mlhim2:data_name>{1,1}</mlhim2:data_name>
  <mlhim2:ev>{0,1}</mlhim2:ev>
  <mlhim2:valid_time_begin>{0,1}</mlhim2:valid_time_begin>
  <mlhim2:valid_time_end>{0,1}</mlhim2:valid_time_end>
  <mlhim2:size>{1,1}</mlhim2:size>
  <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	<ul style="list-style-type: none"> 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	<pre> <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> </pre>
Source	<xs:element name="reason" type="mlhim2:DvCodedStringType" />

Element mlhim2:AttestationType / mlhim2:committer

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram							
Type	mlhim2:PartyProxyType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:PartyProxyType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
content:	complex						
minOccurs:	1						
maxOccurs:	1						
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref						
Children	mlhim2:external_ref, mlhim2:feeder_audit						
Instance	<pre><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></pre>						
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="committer" type="mlhim2:PartyProxyType" /></code>						

Element mlhim2:AttestationType / mlhim2:time_commmitted

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram							
Type	mlhim2:DvDateTimeType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> mlhim2:DvDateTimeType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre> <mlhim2:time_committed 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> </pre>						

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

Element `mlhim2:AttestationType` / `mlhim2:is_pending`

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

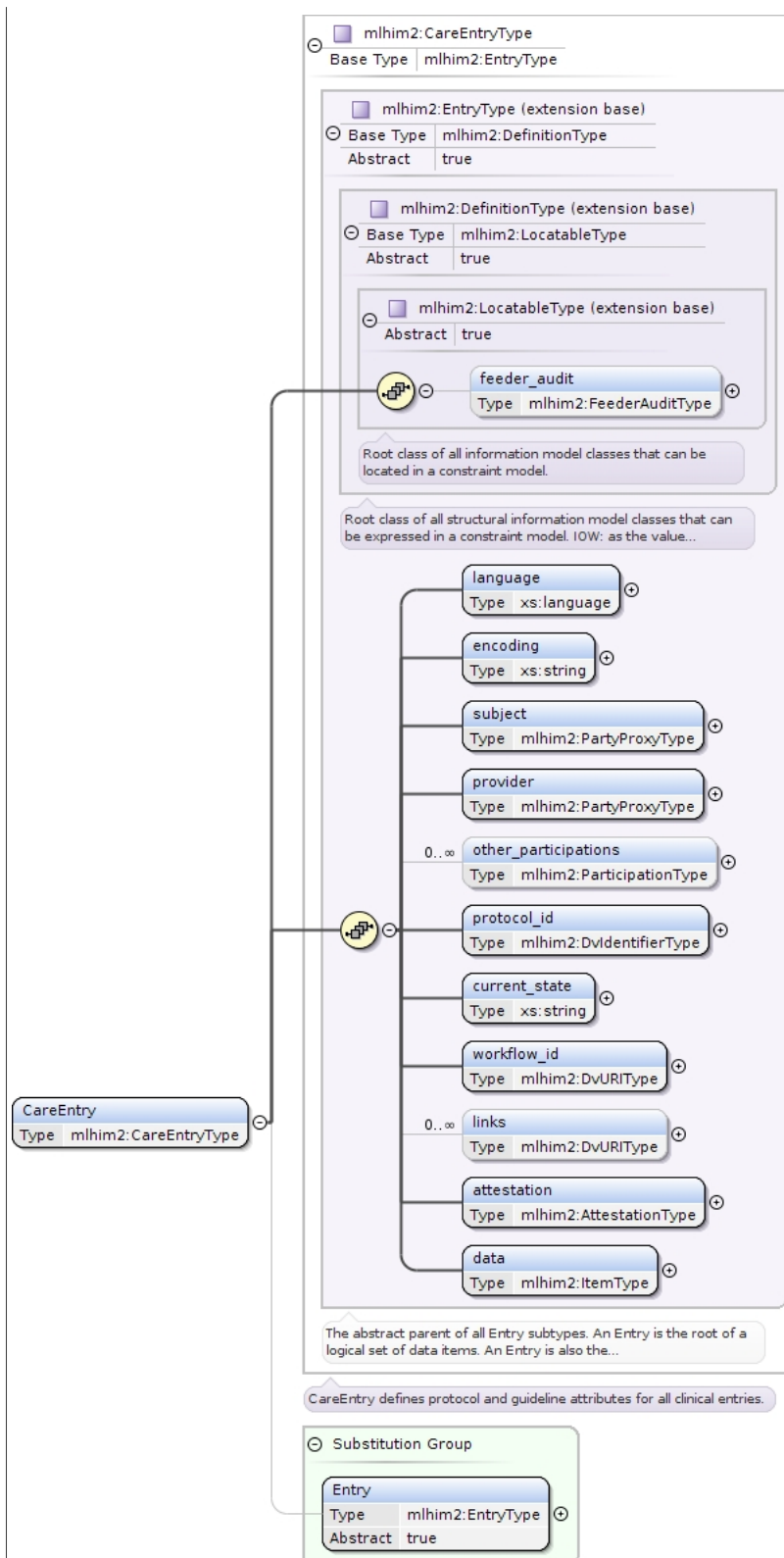
Element `mlhim2:EntryType` / `mlhim2:data`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ItemType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType mlhim2:ItemType
Properties	content: complex
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<pre><mlhim2:data xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:data></pre>
Source	<code><xs:element name="data" type="mlhim2:ItemType" /></code>

Element `mlhim2:CareEntry`

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



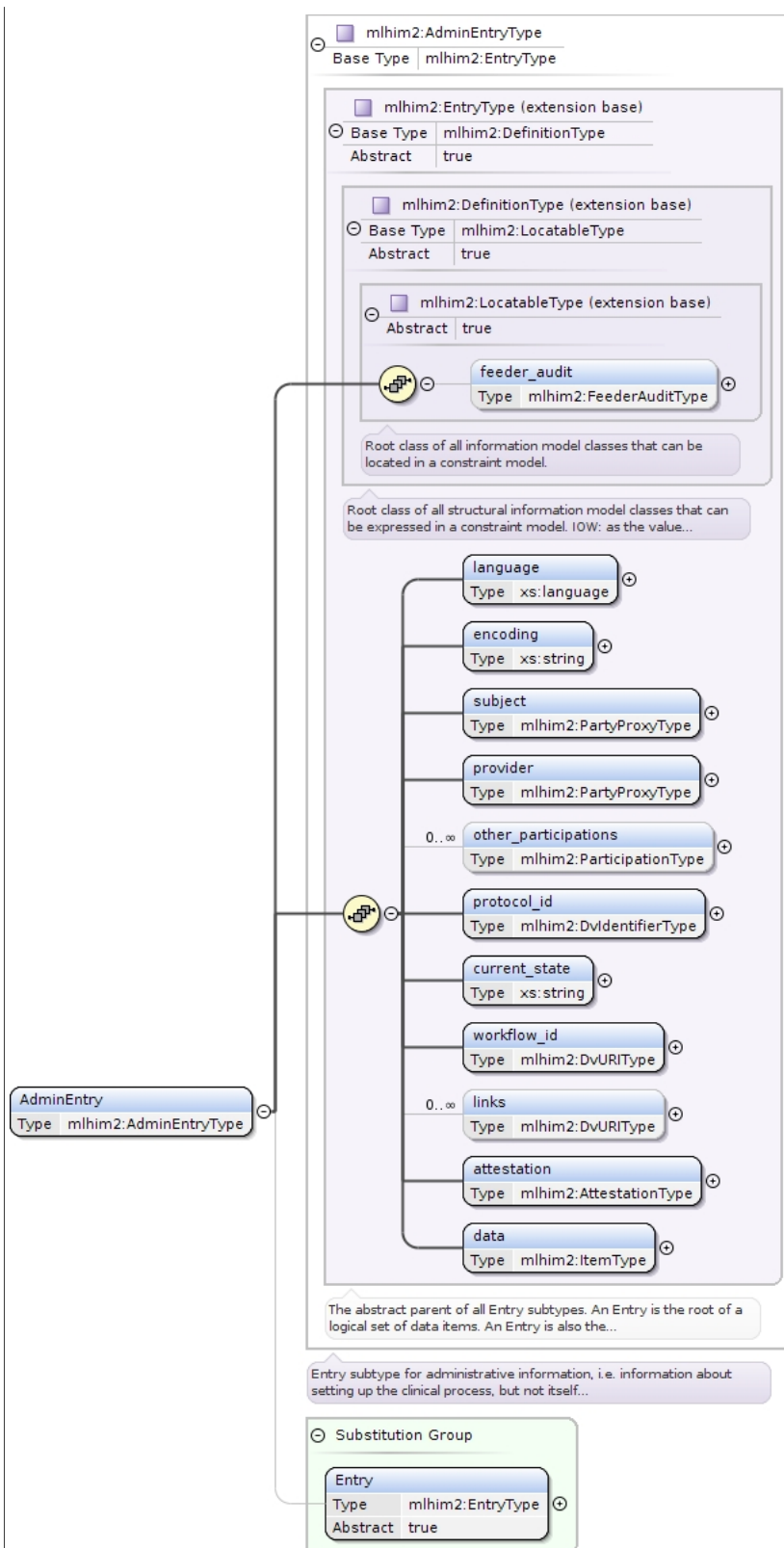
Type	mlhim2:CareEntryType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType mlhim2:EntryType mlhim2:CareEntryType

Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:CareEntry xmlns:mlhim2="http://www.mlhim.org/xm1s/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> </pre>
Source	<xs:element name="CareEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:CareEntryType"/>

Element mlhim2:AdminEntry

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram



Type mlhim2:AdminEntryType

Type hierarchy

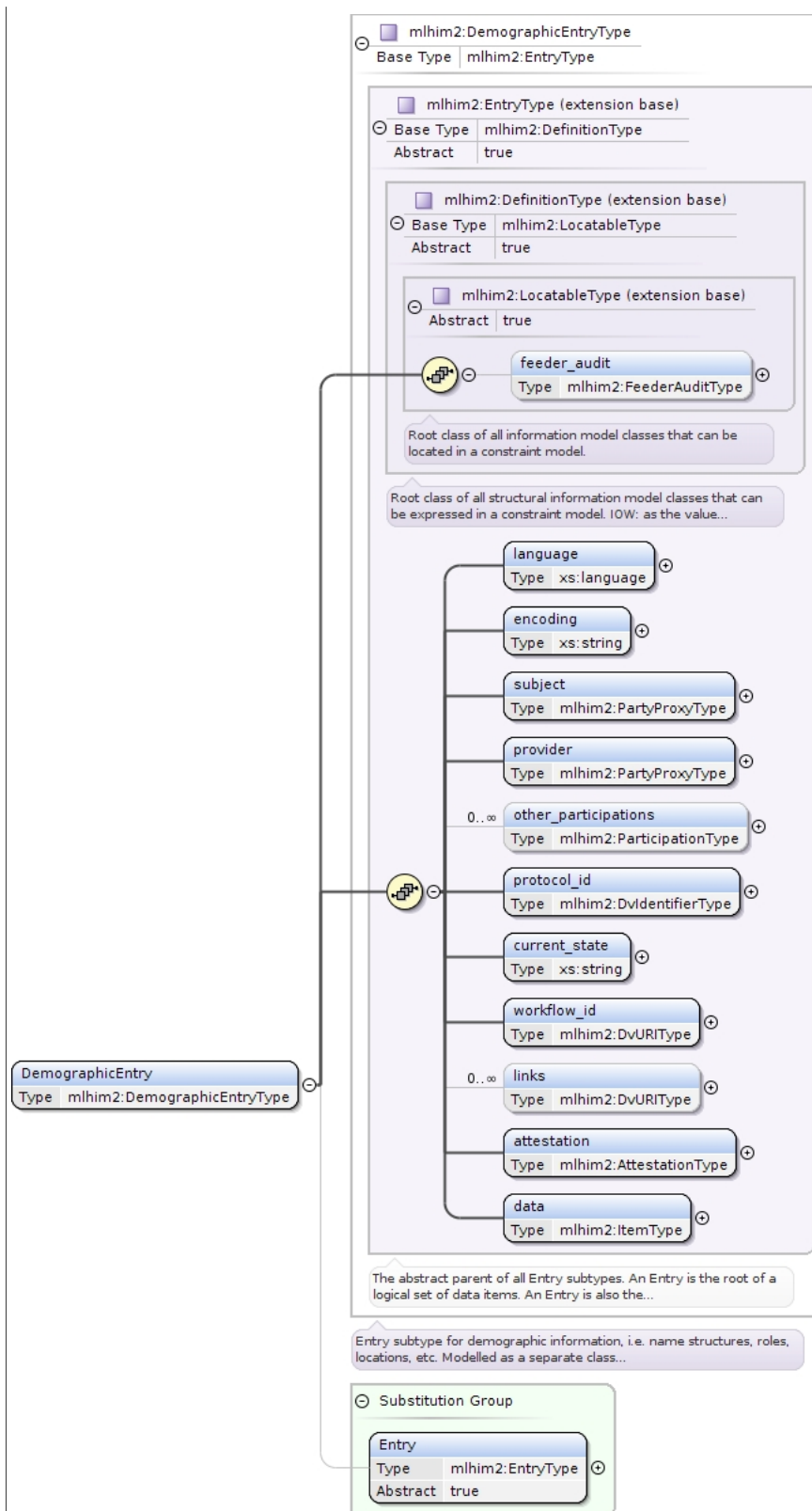
- mlhim2:LocatableType
- mlhim2:DefinitionType
- mlhim2:EntryType
- mlhim2:AdminEntryType

Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <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> </pre>
Source	<xs:element name="AdminEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:AdminEntryType"/>

Element mlhim2:DemographicEntry

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



Type `mlhim2:DemographicEntryType`

Type hierarchy

- `mlhim2:LocatableType`
- `mlhim2:DefinitionType`
- `mlhim2:EntryType`
- `mlhim2:DemographicEntryType`

Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DemographicEntry xmlns:mlhim2="http://www.mlhim.org/xm1s/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> </pre>
Source	<pre> <xs:element name="DemographicEntry" substitutionGroup="mlhim2:Entry" type="mlhim2:DemographicEntryType"/> </pre>

Element mlhim2:Item

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
Diagram	
Type	mlhim2:ItemType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType

	<ul style="list-style-type: none"> • mlhim2:DefinitionType • mlhim2:ItemType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> • mlhim2:Slot • mlhim2:Cluster • mlhim2:Element 				
Substitution Group Affiliation	<ul style="list-style-type: none"> • mlhim2:Definition 				
Model	mlhim2:feeder_audit{0,1}				
Children	mlhim2:feeder_audit				
Instance	<pre><mlhim2:Item xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:Item></pre>				
Source	<pre><xs:element name="Item" abstract="true" substitutionGroup="mlhim2:Definition" type="mlhim2:ItemType" /></pre>				

Element mlhim2:Slot

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2_SlotType { <<abstract>> } class mlhim2_ItemType { <<abstract>> } class mlhim2_DefinitionType { <<abstract>> } class mlhim2_LocatableType { <<abstract>> } class mlhim2_FeederAuditType { } class mlhim2_CCDType { } class mlhim2_Item { <<abstract>> } mlhim2_SlotType < -- mlhim2_ItemType mlhim2_ItemType < -- mlhim2_DefinitionType mlhim2_DefinitionType < -- mlhim2_LocatableType mlhim2_LocatableType < -- mlhim2_FeederAuditType mlhim2_LocatableType < -- mlhim2_CCDType mlhim2_ItemType < -- mlhim2_Item </pre> <p>Slot Type mlhim2:SlotType</p> <p>mlhim2:SlotType (Base Type mlhim2:ItemType)</p> <p>mlhim2:ItemType (extension base)</p> <p>Base Type mlhim2:DefinitionType Abstract true</p> <p>mlhim2:DefinitionType (extension base)</p> <p>Base Type mlhim2:LocatableType Abstract true</p> <p>mlhim2:LocatableType (extension base)</p> <p>Abstract true</p> <p>feeder_audit Type mlhim2:FeederAuditType</p> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value...</p> <p>The abstract parent of Event, Slot, Cluster and Element representation classes.</p> <p>ccd Type mlhim2:CCDType</p> <p>A structure allowing the inclusion of one CCD inside a CCD. The possible CCDs allowed is restricted to those CCDs in...</p> <p>Substitution Group</p> <p>Item Type mlhim2:ItemType Abstract true</p>
Type	mlhim2:SlotType
Type hierarchy	<ul style="list-style-type: none"> • mlhim2:LocatableType • mlhim2:DefinitionType • mlhim2:ItemType • mlhim2:SlotType

Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:ccd{0,1}
Children	mlhim2:ccd, mlhim2:feeder_audit
Instance	<pre><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></pre>
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	<p>The diagram illustrates the class hierarchy and structure of the mlhim2:ClusterType element. It shows the following components:</p> <ul style="list-style-type: none"> mlhim2:ClusterType (Base Type mlhim2:ItemType): <ul style="list-style-type: none"> Contains a feeder_audit child (Type mlhim2:FeederAuditType). Contains a items child (Type mlhim2:ItemType, multiplicity 1..∞). Contains a subject child (Type xs:string). mlhim2:DefinitionType (extension base mlhim2:LocatableType, Abstract true): <ul style="list-style-type: none"> Is the abstract parent of Event, Slot, Cluster, and Element representation classes. mlhim2:LocatableType (extension base, Abstract true): <ul style="list-style-type: none"> Is the root class of all information model classes that can be located in a constraint model. Is the root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value... Substitution Group (Item): <ul style="list-style-type: none"> Type mlhim2:ItemType. Abstract true. <p>The Cluster element (Type mlhim2:ClusterType) is shown as a container for these types.</p>
Type	mlhim2:ClusterType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType <ul style="list-style-type: none"> mlhim2:DefinitionType <ul style="list-style-type: none"> mlhim2:ItemType <ul style="list-style-type: none"> mlhim2:ClusterType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:items+ , mlhim2:subject

Children	mlhim2:feeder_audit, mlhim2:items, mlhim2:subject
Instance	<pre><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></pre>
Source	<code><xs:element name="Cluster" substitutionGroup="mlhim2:Item" type="mlhim2:ClusterType"/></code>

Element mlhim2:ClusterType / mlhim2:items

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	<p>UML class diagram showing the hierarchy of <code>mlhim2:ClusterType</code>:</p> <ul style="list-style-type: none"> <code>mlhim2:ItemType</code> (Base Type) <ul style="list-style-type: none"> Base Type: <code>mlhim2:DefinitionType</code> Abstract: true <code>mlhim2:DefinitionType</code> (extension base) <ul style="list-style-type: none"> Base Type: <code>mlhim2:LocatableType</code> Abstract: true <code>mlhim2:LocatableType</code> (extension base) <ul style="list-style-type: none"> Base Type: <code>mlhim2:FeederAuditType</code> Abstract: true <p>Annotations:</p> <ul style="list-style-type: none"> Root class of all information model classes that can be located in a constraint model. Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value... The abstract parent of Event, Slot, Cluster and Element representation classes. 						
Type	mlhim2:ItemType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType mlhim2:ItemType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>unbounded</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	unbounded
content:	complex						
minOccurs:	1						
maxOccurs:	unbounded						
Model	mlhim2:feeder_audit{0,1}						
Children	mlhim2:feeder_audit						
Instance	<pre><mlhim2:items xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:items></pre>						
Source	<code><xs:element maxOccurs="unbounded" minOccurs="1" name="items" type="mlhim2:ItemType"/></code>						

Element mlhim2:ClusterType / mlhim2:subject

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram	<p>UML class diagram showing the 'subject' element:</p> <ul style="list-style-type: none"> <code>subject</code> (Type) <ul style="list-style-type: none"> Base Type: <code>xs:string</code> <p>Annotation:</p> <ul style="list-style-type: none"> Built-in primitive type. The string datatype represents character strings in XML. 						
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple						
minOccurs:	1						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="subject" type="xs:string"/></code>						

Element mlhim2:Element

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ElementType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType <ul style="list-style-type: none"> mlhim2:DefinitionType <ul style="list-style-type: none"> mlhim2:ItemType <ul style="list-style-type: none"> mlhim2:ElementType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:Item
Model	mlhim2:feeder_audit{0,1} , mlhim2:Element_dv
Children	mlhim2:Element_dv, mlhim2:feeder_audit
Instance	<pre><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></pre>
Source	<code><xs:element name="Element" substitutionGroup="mlhim2:Item" type="mlhim2:ElementType" /></code>

Element mlhim2:ElementType / mlhim2:Element_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	<p>Serves as a common ancestor of all datatypes in MLHIM models.</p>						
Type	mlhim2:DvAnyType						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre><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></pre>						
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="Element_dv" type="mlhim2:DvAnyType" /></code>						

Element mlhim2:Locatable

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram	<p>Root class of all information model classes that can be located in a constraint model.</p>				
Type	mlhim2:LocatableType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> mlhim2:CareEntry mlhim2:AdminEntry mlhim2:DemographicEntry mlhim2:Slot 				

	<ul style="list-style-type: none"> • mlhim2:Cluster • mlhim2:Element • mlhim2:PartyIdentified • mlhim2:PartySelf
Model	mlhim2:feeder_audit{0,1}
Children	mlhim2:feeder_audit
Instance	<pre><mlhim2:Locatable xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:Locatable></pre>
Source	<code><xs:element abstract="true" name="Locatable" type="mlhim2:LocatableType"/></code>

Element mlhim2:PartyProxy

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram	<p>The diagram illustrates the UML structure of the <code>mlhim2:PartyProxyType</code>. It is an abstract base type that extends <code>mlhim2:LocatableType</code>. It has two direct children: <code>mlhim2:feeder_audit</code> (type <code>mlhim2:FeederAuditType</code>) and <code>mlhim2:external_ref</code> (type <code>mlhim2:DvURIType</code>). It also has a substitution group containing <code>mlhim2:PartyIdentified</code> (type <code>mlhim2:PartyIdentifiedType</code>) and <code>mlhim2:PartySelf</code> (type <code>mlhim2:PartySelfType</code>). A separate substitution group contains <code>mlhim2:Locatable</code> (type <code>mlhim2:LocatableType</code>, abstract true).</p>				
Type	mlhim2:PartyProxyType				
Type hierarchy	<ul style="list-style-type: none"> • mlhim2:LocatableType • mlhim2:PartyProxyType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> • mlhim2:PartyIdentified • mlhim2:PartySelf 				
Substitution Group Affiliation	<ul style="list-style-type: none"> • mlhim2:Locatable 				
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref				
Children	mlhim2:external_ref, mlhim2:feeder_audit				
Instance	<pre><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></pre>				

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

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	mlhim2:DefinitionType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> mlhim2:CareEntry mlhim2:AdminEntry mlhim2:DemographicEntry mlhim2:Slot mlhim2:Cluster mlhim2:Element 				
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:Locatable 				
Model	mlhim2:feeder_audit{0,1}				
Children	mlhim2:feeder_audit				
Instance	<pre><mlhim2:Definition xmlns:mlhim2="http://www.mlhim.org/xmls/mlhim2/2_3_0"> <mlhim2:feeder_audit>{0,1}</mlhim2:feeder_audit> </mlhim2:Definition></pre>				
Source	<pre><xs:element abstract="true" name="Definition" substitutionGroup="mlhim2:Locatable" type="mlhim2:DefinitionType" /></pre>				

Element mlhim2:PartyIdentified

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:PartyIdentifiedType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:PartyProxyType mlhim2:PartyIdentifiedType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<pre><xs:element name="PartyIdentified" substitutionGroup="mlhim2:PartyProxy" type="mlhim2:PartyIdentifiedType"/></pre>

Element mlhim2:PartySelf

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:PartySelfType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType <ul style="list-style-type: none"> mlhim2:PartyProxyType <ul style="list-style-type: none"> mlhim2:PartySelfType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:PartyProxy
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Instance	<pre><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></pre>
Source	<xs:element name="PartySelf" substitutionGroup="mlhim2:PartyProxy" type="mlhim2:PartySelfType"/>

Element mlhim2:Attestation

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram					
Type	mlhim2:AttestationType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:AttestationType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:Locatable 				
Model	mlhim2:feeder_audit{0,1} , mlhim2:attested_view , mlhim2:proof , mlhim2:reason , mlhim2:committer , mlhim2:time_committed , mlhim2:is_pending				
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_committed				
Instance	<pre> <mlhim2:Attestation xmlns:mlhim2="http://www.mlhim.org/xm1s/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_committed>{1,1}</mlhim2:time_committed> <mlhim2:is_pending>{1,1}</mlhim2:is_pending> </mlhim2:Attestation> </pre>				
Source	<pre> <xs:element abstract="true" name="Attestation" substitutionGroup="mlhim2:Locatable" type="mlhim2:AttestationType"/> </pre>				

Element mlhim2:FeederAudit

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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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	<pre><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></pre>
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	<pre><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:FeederAuditDetails></pre>

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

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	<pre> <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> </pre>
Source	<code><xs:element name="Participation" type="mlhim2:ParticipationType"/></code>

Element mlhim2:ExceptionalValue

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ExceptionalValueType
Properties	content: complex abstract: true
Substitution Group	<ul style="list-style-type: none"> mlhim2:NI mlhim2:NA mlhim2:INV mlhim2:UNK

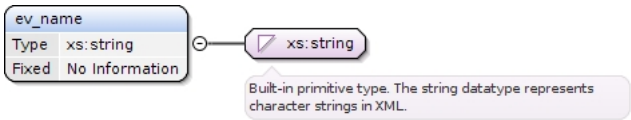
	<ul style="list-style-type: none"> • mlhim2:MSK • mlhim2:UNC • mlhim2:DER • mlhim2:OTH • mlhim2:PINF • mlhim2:NINF • mlhim2:TRC • mlhim2:QS • mlhim2:ASKU • mlhim2:ASKR • mlhim2:NASK • mlhim2:NAV
Model	mlhim2:ev_name , mlhim2:ev_meaning
Children	mlhim2:ev_meaning, mlhim2:ev_name
Instance	<pre><mlhim2:ExceptionalValue 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></pre>
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	<ul style="list-style-type: none"> • mlhim2:ExceptionalValueType • mlhim2:NIType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> • mlhim2:NA • mlhim2:INV • mlhim2:UNK • mlhim2:MSK • mlhim2:UNC • mlhim2:DER • mlhim2:OTH

	<ul style="list-style-type: none"> • 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	<pre><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></pre>
Source	<code><xs:element name="NI" substitutionGroup="mlhim2:ExceptionalValue" type="mlhim2:NIType"/></code>

Element mlhim2:NIType / mlhim2:ev_name

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

Element mlhim2:NIType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>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</td></tr> </table>	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
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	<code><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"/></code>				

Element mlhim2:NA

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:NAType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType mlhim2:NIType mlhim2:NAType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:NA xmlns:mlhim2="http://www.mlhim.org/xmlls/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> </pre>
Source	<code><xs:element name="NA" substitutionGroup="mlhim2:NI" type="mlhim2:NAType" /></code>

Element mlhim2:NAType / mlhim2:ev_name

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

Element mlhim2:NAType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmlls/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 cigarettes smoked per day by a non-smoker subject.
Source	<code><xs:element fixed="No proper value is applicable in this context e.g., the number of cigarettes smoked per day by a non-smoker subject." name="ev_meaning" type="xs:string" /></code>

Source	<code><xs:element fixed="Invalid" name="ev_name" type="xs:string"/></code>
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Element `mlhim2:INVType` / `mlhim2:ev_meaning`

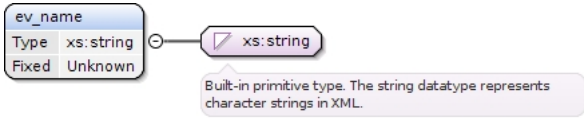
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>fixed: The value as represented in the instance is not a member of the set of permitted data values in the constrained value domain of a variable.</p>
Source	<code><xs:element fixed="The value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

Element `mlhim2:UNK`

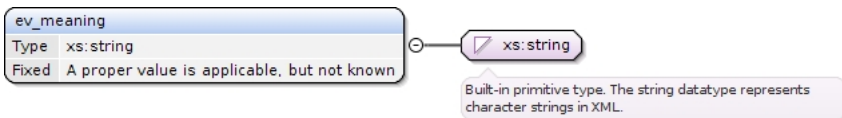
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:UNKType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> mlhim2:TRC mlhim2:QS mlhim2:ASKU mlhim2:ASKR mlhim2:NASK mlhim2:NAV
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:UNK xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<pre><xs:element name="UNK" substitutionGroup="mlhim2:NI" type="mlhim2:UNKType" /></pre>


Element mlhim2:UNKType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>Unknown</td></tr> </table>	content:	simple	fixed:	Unknown
content:	simple				
fixed:	Unknown				
Source	<pre><xs:element fixed="Unknown" name="ev_name" type="xs:string" /></pre>				

Element mlhim2:UNKType / mlhim2:ev_meaning

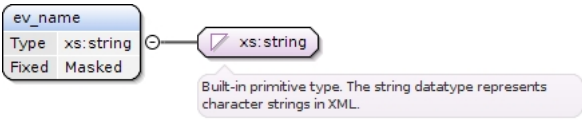
Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>A proper value is applicable, but not known</td></tr> </table>	content:	simple	fixed:	A proper value is applicable, but not known
content:	simple				
fixed:	A proper value is applicable, but not known				
Source	<pre><xs:element fixed="A proper value is applicable, but not known" name="ev_meaning" type="xs:string" /></pre>				

Element mlhim2:MSK

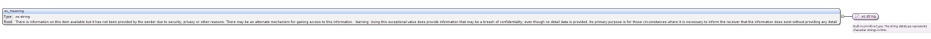
Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0		
Diagram			
Type	mlhim2:MSKType		
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:MSKType 		
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> </table>	content:	complex
content:	complex		
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:MSK xmlns:mlhim2="http://www.mlhim.org/xm1s/mlhim2/2_3_0"> <mlhim2:ev_name>{1,1}</mlhim2:ev_name></pre>		

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

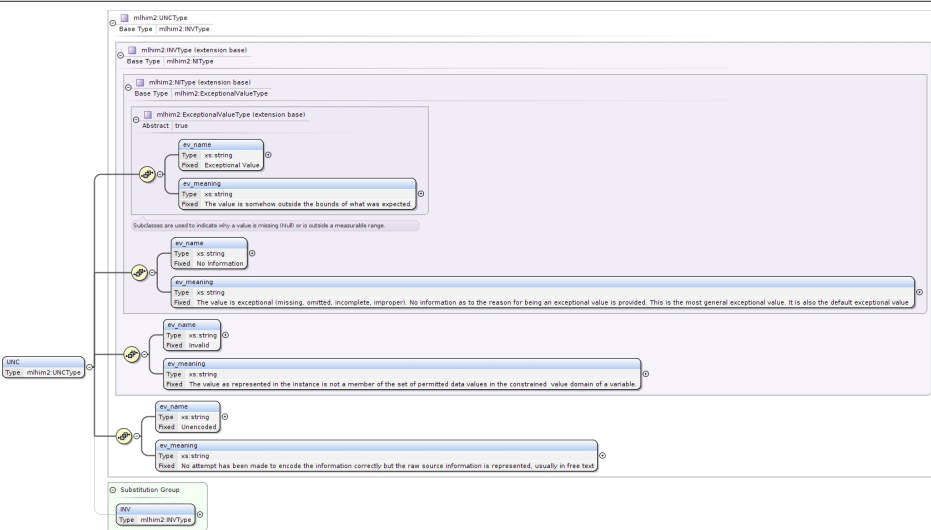
Element mlhim2:MSKType / mlhim2:ev_name

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

Element mlhim2:MSKType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>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</td></tr> </table>	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
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	<pre> <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"/> </pre>				

Element mlhim2:UNC

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

Type	mlhim2:UNCTYPE
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:UNCTYPE
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:UNC xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<code><xs:element name="UNC" substitutionGroup="mlhim2:INV" type="mlhim2:UNCTYPE" /></code>

Element mlhim2:UNCTYPE / mlhim2:ev_name

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

Element mlhim2:UNCTYPE / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xmles/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	<code><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" /></code>

Element mlhim2:DER

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
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Diagram	
Type	mlhim2:DERType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:DERType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
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

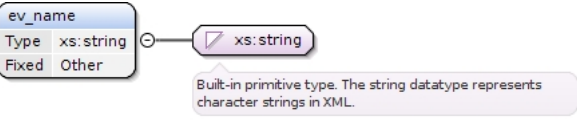
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	xs:string
Properties	<p>content: simple</p> <p>fixed: An actual value may exist, but it must be derived from the provided information; usually an expression is provided directly.</p>
Source	<pre><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"/></pre>

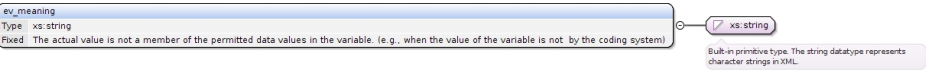
Element mlhim2:OTH

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:OTHType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:OTHType
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> mlhim2:PINF mlhim2:NINF
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<pre><xs:element name="OTH" substitutionGroup="mlhim2:INV" type="mlhim2:OTHType"/></pre>

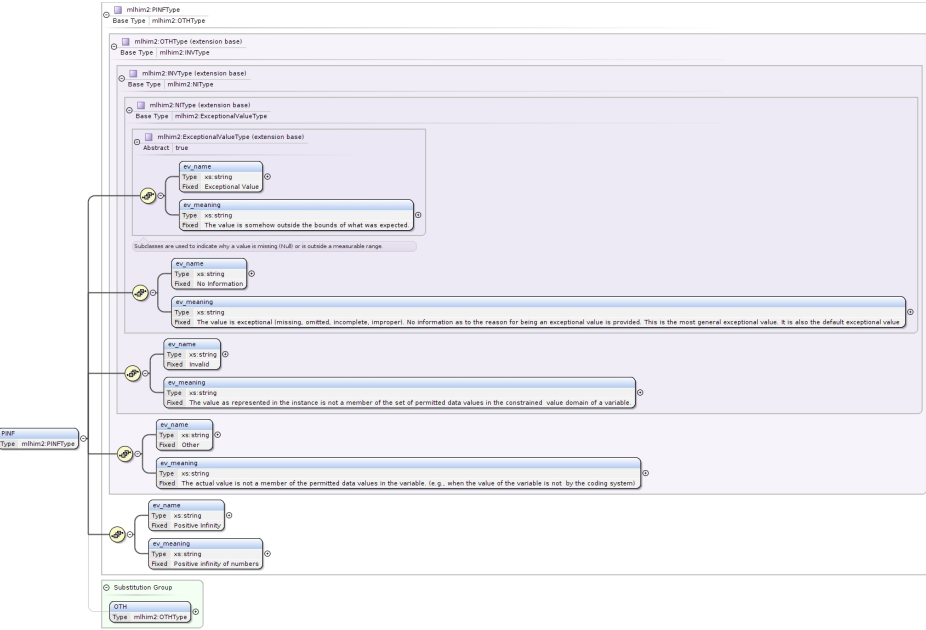
Element mlhim2:OTHType / mlhim2:ev_name

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

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	<code><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" /></code>

Element mlhim2:PINF

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:PINFType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:OTHType

	<ul style="list-style-type: none"> mlhim2:PINFType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<code><xs:element name="PINF" substitutionGroup="mlhim2:OTH" type="mlhim2:PINFType" /></code>

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	<code><xs:element fixed="Positive Infinity" name="ev_name" type="xs:string"/></code>

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	<code><xs:element fixed="Positive infinity of numbers" name="ev_meaning" type="xs:string"/></code>

Element mlhim2:NINF

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:NINFType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:OTHType <ul style="list-style-type: none"> mlhim2:NINFType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
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	<code><xs:element fixed="Negative Infinity" name="ev_name" type="xs:string"/></code>
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Element `mlhim2:NINftyType` / `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	<code><xs:element fixed="Negative infinity of numbers" name="ev_meaning" type="xs:string"/></code>

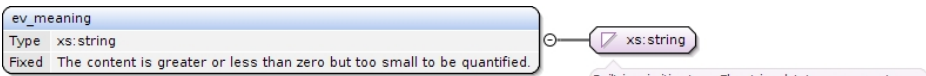
Element `mlhim2:TRC`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:TRCType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> mlhim2:TRCType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<code><xs:element name="TRC" substitutionGroup="mlhim2:UNK" type="mlhim2:TRCType"/></code>

Element	mlhim2:TRCType	/	mlhim2:ev	name
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Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram	<pre> classDiagram class ev_name { Type xs:string Fixed Trace } </pre> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>				
Type	xs:string				
Properties	<table border="1"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>Trace</td></tr> </table>	content:	simple	fixed:	Trace
content:	simple				
fixed:	Trace				
Source	<code><xs:element fixed="Trace" name="ev_name" type="xs:string"/></code>				

Element mlhim2:TRCType / mlhim2:ev meaning

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table border="0"> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>The content is greater or less than zero but too small to be quantified.</td></tr> </table>	content:	simple	fixed:	The content is greater or less than zero but too small to be quantified.
content:	simple				
fixed:	The content is greater or less than zero but too small to be quantified.				
Source	<code><xs:element fixed="The content is greater or less than zero but too small to be quantified." name="ev_meaning" type="xs:string"/></code>				

Element mlhim2:OS

[illegible]

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	<pre><mlhim2:QS xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<code><xs:element name="QS" substitutionGroup="mlhim2:UNK" type="mlhim2:QSType"/></code>

Element mlhim2:QSType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>Sufficient Quantity</td></tr> </table>	content:	simple	fixed:	Sufficient Quantity
content:	simple				
fixed:	Sufficient Quantity				
Source	<code><xs:element fixed="Sufficient Quantity" name="ev_name" type="xs:string"/></code>				

Element mlhim2:QSType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>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.</td></tr> </table>	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.
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	<code><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"/></code>				

Element mlhim2:ASKU

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram	
Type	mlhim2:ASKUType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> 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	<pre> <mlhim2:ASKU xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>
Source	<code><xs:element name="ASKU" substitutionGroup="mlhim2:UNK" type="mlhim2:ASKUType"/></code>

Element mlhim2:ASKUType / mlhim2:ev_name

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

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	<pre><xs:element fixed="Information was sought but not found (e.g., patient was asked but did not know)." name="ev_meaning" type="xs:string"/></pre>

Element `mlhim2:ASKR`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	mlhim2:ASKRTYPE
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:ASKRTYPE
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<pre><xs:element name="ASKR" substitutionGroup="mlhim2:UNK" type="mlhim2:ASKRTYPE"/></pre>

Element mlhim2:ASKRType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>ev_name Type: xs:string Fixed: Asked and Refused</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple fixed: Asked and Refused
Source	<code><xs:element fixed="Asked and Refused" name="ev_name" type="xs:string"/></code>

Element mlhim2:ASKRType / mlhim2:ev_meaning

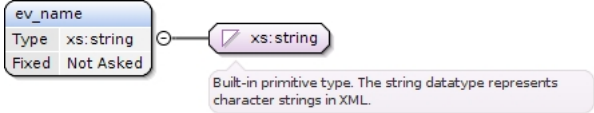
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>ev_meaning Type: xs:string Fixed: Information was sought but refused to be provided (e.g., patient was asked but refused to answer)</p> <p>Built-in primitive type. The string datatype represents character strings in XML.</p>
Type	xs:string
Properties	content: simple fixed: Information was sought but refused to be provided (e.g., patient was asked but refused to answer)
Source	<code><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"/></code>

Element mlhim2:NASK

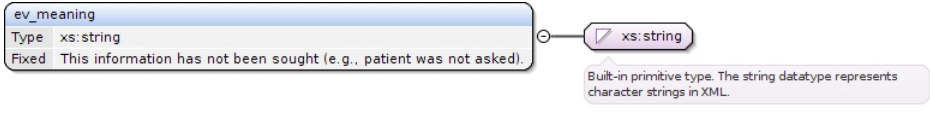
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>mlhim2:NASKType Base Type: mlhim2:UNKType</p> <p>mlhim2:UNKType (extension base) Base Type: mlhim2:NITType</p> <p>mlhim2:NITType (extension base) Base Type: mlhim2:ExceptionalValueType</p> <p>mlhim2:ExceptionalValueType (extension base) Abstract: true</p> <p>Subclasses are used to indicate why a value is missing (null) or is outside a measurable range.</p> <p>ev_name: xs:string, Fixed: Exceptional Value</p> <p>ev_meaning: xs:string, Fixed: The value is somehow outside the bounds of what was expected</p> <p>ev_name: xs:string, Fixed: No information</p> <p>ev_meaning: xs:string, 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.</p> <p>ev_name: xs:string, Fixed: Unknown</p> <p>ev_meaning: xs:string, Fixed: A proper value is applicable, but not known</p> <p>ev_name: xs:string, Fixed: Not Asked</p> <p>ev_meaning: xs:string, Fixed: This information has not been sought (e.g., patient was not asked)</p> <p>Substitution Group</p> <p>UNK Type: mlhim2:UNKType</p>
Type	mlhim2:NASKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType mlhim2:NITType mlhim2:UNKType mlhim2:NASKType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:NASK xmlns:mlhim2="http://www.mlhim.org/xm1s/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> </pre>
Source	<code><xs:element name="NASK" substitutionGroup="mlhim2:UNK" type="mlhim2:NASKType"/></code>

Element mlhim2:NASKType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>Not Asked</td></tr> </table>	content:	simple	fixed:	Not Asked
content:	simple				
fixed:	Not Asked				
Source	<code><xs:element fixed="Not Asked" name="ev_name" type="xs:string"/></code>				

Element mlhim2:NASKType / mlhim2:ev_meaning

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0				
Diagram					
Type	xs:string				
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>fixed:</td><td>This information has not been sought (e.g., patient was not asked).</td></tr> </table>	content:	simple	fixed:	This information has not been sought (e.g., patient was not asked).
content:	simple				
fixed:	This information has not been sought (e.g., patient was not asked).				
Source	<code><xs:element fixed="This information has not been sought (e.g., patient was not asked)." name="ev_meaning" type="xs:string"/></code>				

Element mlhim2:NAV

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram	
Type	mlhim2:NAVType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NITType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> mlhim2:ASKUType <ul style="list-style-type: none"> mlhim2:NAVType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
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	<code><xs:element fixed="Not Available" name="ev_name" type="xs:string"/></code>
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Element mlhim2:NAVType / mlhim2:ev_meaning

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

Element mlhim2:DvAny

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	mlhim2:DvAnyType				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> mlhim2:DvBoolean mlhim2:DvURI 				

	<ul style="list-style-type: none"> • 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	<pre><mlhim2:DvAny xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<xs:element abstract="true" name="DvAny" type="mlhim2:DvAnyType"/>

Element mlhim2:DvBoolean

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
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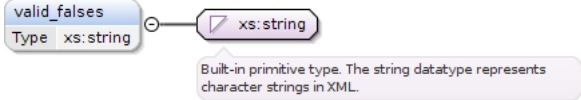
Diagram	
Type	mlhim2:DvBooleanType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvBooleanType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> mlhim2:DvAny
Model	mlhim2:data_name, mlhim2:ev{0,1}, mlhim2:valid_time_begin{0,1}, mlhim2:valid_time_end{0,1}, 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	<pre><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></pre>
Source	<code><xs:element name="DvBoolean" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvBooleanType" /></code>

Element mlhim2:DvBooleanType / mlhim2:valid_trues

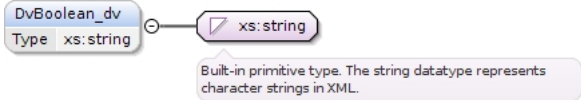
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:string

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
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Diagram	
Type	mlhim2:DvURIType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvURIType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:DvURI xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<xs:element name="DvURI" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvURIType" />

Element mlhim2:ReferenceRange

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram	<p>The diagram illustrates the structure of the <code>mlhim2:ReferenceRangeType</code>. It is a complex type derived from <code>mlhim2:DvAnyType</code>. The diagram shows a tree structure where <code>mlhim2:ReferenceRangeType</code> contains a choice of elements: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), <code>valid_time_end</code> (Type: <code>xs:dateTime</code>), <code>ReferenceRange_definition</code> (Type: <code>xs:string</code>), and <code>data_range</code> (Type: <code>mlhim2:DvIntervalType</code>). A substitution group is also shown for <code>DvAny</code>, which is abstract and contains <code>mlhim2:DvAnyType</code>.</p>
Type	<code>mlhim2:ReferenceRangeType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:ReferenceRangeType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>mlhim2:DvAny</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:ReferenceRange_definition</code> , <code>mlhim2:data_range</code>
Children	<code>mlhim2:ReferenceRange_definition</code> , <code>mlhim2:data_name</code> , <code>mlhim2:data_range</code> , <code>mlhim2:ev</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre><mlhim2:ReferenceRange xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<pre><xs:element name="ReferenceRange" substitutionGroup="mlhim2:DvAny" type="mlhim2:ReferenceRangeType" /></pre>

Element `mlhim2:DvInterval`

Namespace	<code>http://www.mlhim.org/xm1s/mlhim2/2_3_0</code>
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Diagram	
Type	mlhim2:DvIntervalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvIntervalType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
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	<p>The diagram illustrates the structure of the <code>mlhim2:DvStringType</code> element. It is an abstract base type for <code>mlhim2:DvAnyType</code>. The <code>mlhim2:DvAnyType</code> (extension base) is abstract and contains four attributes: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), and <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). The <code>mlhim2:DvStringType</code> has two substitutions: <code>DvString_dv</code> (Type: <code>xs:string</code>) and <code>language</code> (Type: <code>xs:language</code>). It also has a substitution group containing <code>DvCodedString</code> (Type: <code>mlhim2:DvCodedStringType</code>) and <code>DvIdentifier</code> (Type: <code>mlhim2:DvIdentifierType</code>). Additionally, it has a substitution group containing <code>DvAny</code> (Type: <code>mlhim2:DvAnyType</code>, Abstract: true). A note indicates that <code>DvString</code> serves as a common ancestor of all datatypes in MLHIM models. Another note states that the string data type can contain characters, line feeds, carriage returns, and tab characters.</p>
Type	<code>mlhim2:DvStringType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:DvStringType</code>
Properties	content: complex
Substitution Group	<ul style="list-style-type: none"> <code>mlhim2:DvCodedString</code> <code>mlhim2:DvIdentifier</code>
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>mlhim2:DvAny</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev</code> {0,1} , <code>mlhim2:valid_time_begin</code> {0,1} , <code>mlhim2:valid_time_end</code> {0,1} , <code>mlhim2:DvString_dv</code> {0,1} , <code>mlhim2:language</code> {0,1}
Children	<code>mlhim2:DvString_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:language</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre><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></pre>
Source	<code><xs:element name="DvString" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvStringType"/></code>

Element `mlhim2:DvCodedString`

Namespace	http://www.mlhim.org/xmlls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the type hierarchy for <code>mlhim2:DvCodedStringType</code>. It is an extension of <code>mlhim2:DvStringType</code>, which in turn extends <code>mlhim2:DvAnyType</code>. <code>DvAnyType</code> is an abstract base type with the following elements: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), and <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). <code>DvStringType</code> extends <code>DvAnyType</code> and includes <code>DvString_dv</code> (Type: <code>xs:string</code>) and <code>language</code> (Type: <code>xs:language</code>). <code>DvCodedStringType</code> extends <code>DvStringType</code> and includes <code>terminology_abbrev</code> (Type: <code>xs:string</code>), <code>terminology_name</code> (Type: <code>xs:string</code>), and <code>terminology_code</code> (Type: <code>xs:string</code>). A substitution group is defined for <code>DvString</code> (Type: <code>mlhim2:DvStringType</code>). Annotations indicate that <code>DvAnyType</code> serves as a common ancestor for all datatypes in MLHIM models, and that the string data type can contain characters, line feeds, carriage returns, and tab characters. A note specifies that a text item whose <code>string_dv</code> attribute must be the long name or description from a controlled terminology, with the key (i.e., ...) as the value.</p>
Type	<code>mlhim2:DvCodedStringType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvStringType</code> <ul style="list-style-type: none"> <code>mlhim2:DvCodedStringType</code>
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> <code>mlhim2:DvString</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev</code> {0,1}, <code>mlhim2:valid_time_begin</code> {0,1}, <code>mlhim2:valid_time_end</code> {0,1}, <code>mlhim2:DvString_dv</code> {0,1}, <code>mlhim2:language</code> {0,1}, <code>mlhim2:terminology_abbrev</code> {0,1}, <code>mlhim2:terminology_name</code> {0,1}, <code>mlhim2:terminology_code</code> {0,1}
Children	<code>mlhim2:DvString_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:language</code> , <code>mlhim2:terminology_abbrev</code> , <code>mlhim2:terminology_code</code> , <code>mlhim2:terminology_name</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Instance	<pre> <mlhim2:DvCodedString xmlns:mlhim2="http://www.mlhim.org/xmlls/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> </pre>

	<pre> <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> </pre>
Source	<pre> <xs:element name="DvCodedString" substitutionGroup="mlhim2:DvString" type="mlhim2:DvCodedStringType"/> </pre>

Element mlhim2:DvIdentifier

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2DvAnyType["mlhim2:DvAnyType (extension base)"] { <<abstract>> data_name xs:string ev mlhim2ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime } class mlhim2DvStringType["mlhim2:DvStringType (extension base)"] { DvString_dv xs:string language xs:language } class mlhim2DvIdentifierType["mlhim2:DvIdentifierType"] { id_name xs:string issuer xs:string assignor xs:string } class mlhim2DvString["DvString"] { Type mlhim2DvStringType } mlhim2DvAnyType < -- mlhim2DvStringType mlhim2DvStringType < -- mlhim2DvIdentifierType mlhim2DvStringType < -- mlhim2DvString </pre> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>The string data type can contain characters, line feeds, carriage returns, and tab characters.</p> <p>Type for representing identifiers of real-world entities. Typical identifiers include: drivers licence number, social...</p> <p>Substitution Group</p> <p>DvString Type mlhim2:DvStringType</p>
Type	mlhim2:DvIdentifierType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> mlhim2:DvIdentifierType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DvIdentifier xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>
Source	<xs:element name="DvIdentifier" substitutionGroup="mlhim2:DvString" type="mlhim2:DvIdentifierType" />

Element mlhim2:DvEncapsulated

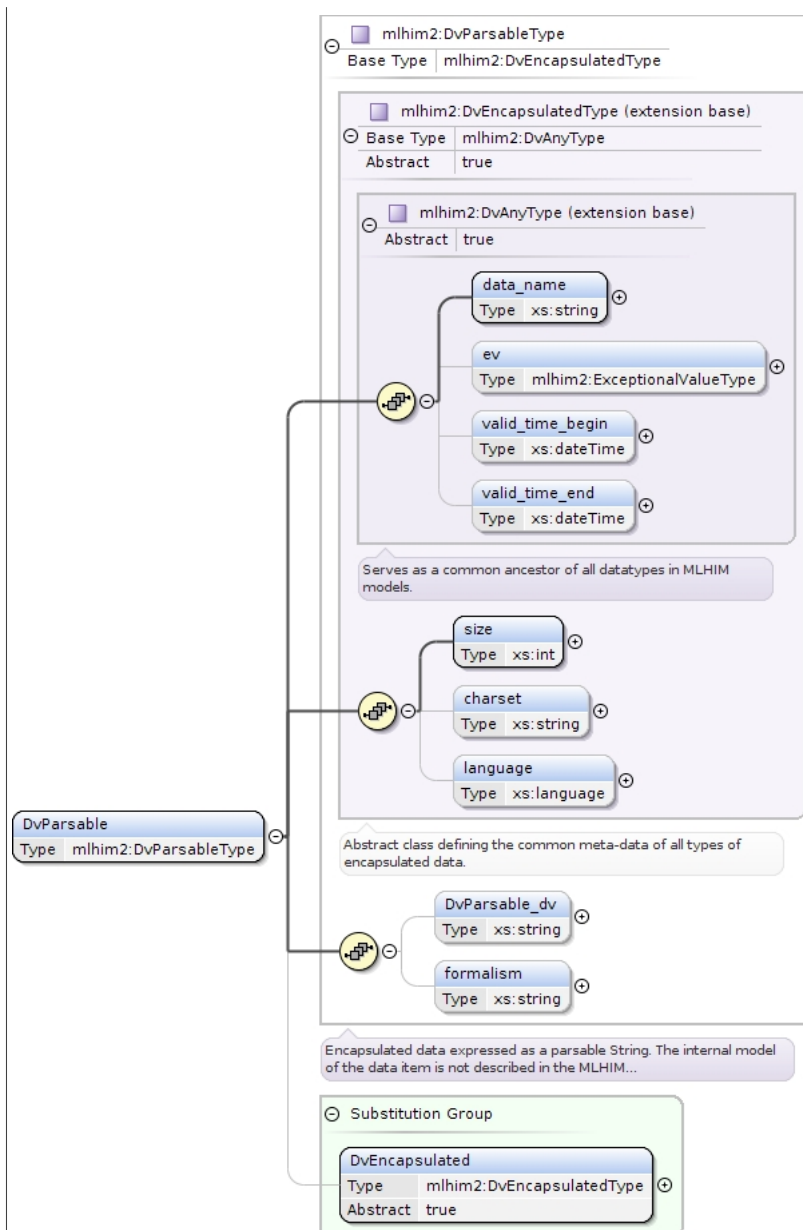
Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0				
Diagram	<pre> classDiagram class mlhim2DvEncapsulatedType { <<abstract>> Type mlhim2:DvEncapsulatedType } class mlhim2DvAnyType { <<abstract>> Type mlhim2:DvAnyType } class mlhim2DvMedia { Type mlhim2:DvMediaType } class mlhim2DvParsable { Type mlhim2:DvParsableType } class mlhim2DvAny { <<abstract>> Type mlhim2:DvAnyType } mlhim2DvEncapsulatedType < -- mlhim2DvAnyType mlhim2DvEncapsulatedType < -- mlhim2DvMedia mlhim2DvEncapsulatedType < -- mlhim2DvParsable mlhim2DvEncapsulatedType < -- mlhim2DvAny </pre> <p>DvEncapsulated Type: mlhim2:DvEncapsulatedType Abstract: true</p> <p>mlhim2:DvAnyType (extension base) Abstract: true</p> <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <ul style="list-style-type: none"> size (Type: xs:int) charset (Type: xs:string) language (Type: xs:language) <p>Abstract class defining the common meta-data of all types of encapsulated data.</p> <p>substitutions</p> <ul style="list-style-type: none"> DvMedia (Type: mlhim2:DvMediaType) DvParsable (Type: mlhim2:DvParsableType) <p>Substitution Group</p> <ul style="list-style-type: none"> DvAny (Type: mlhim2:DvAnyType, Abstract: true) 				
Type	mlhim2:DvEncapsulatedType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvEncapsulatedType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				

Substitution Group	<ul style="list-style-type: none"> • mlhim2:DvParsable • mlhim2:DvMedia
Substitution Group Affiliation	<ul style="list-style-type: none"> • 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	<pre><mlhim2:DvEncapsulated xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<pre><xs:element abstract="true" name="DvEncapsulated" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvEncapsulatedType"/></pre>

Element mlhim2:DvParsable

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram



Type	mlhim2:DvParsableType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvEncapsulatedType <ul style="list-style-type: none"> mlhim2:DvParsableType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DvParsable xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>

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

Element mlhim2:DvMedia

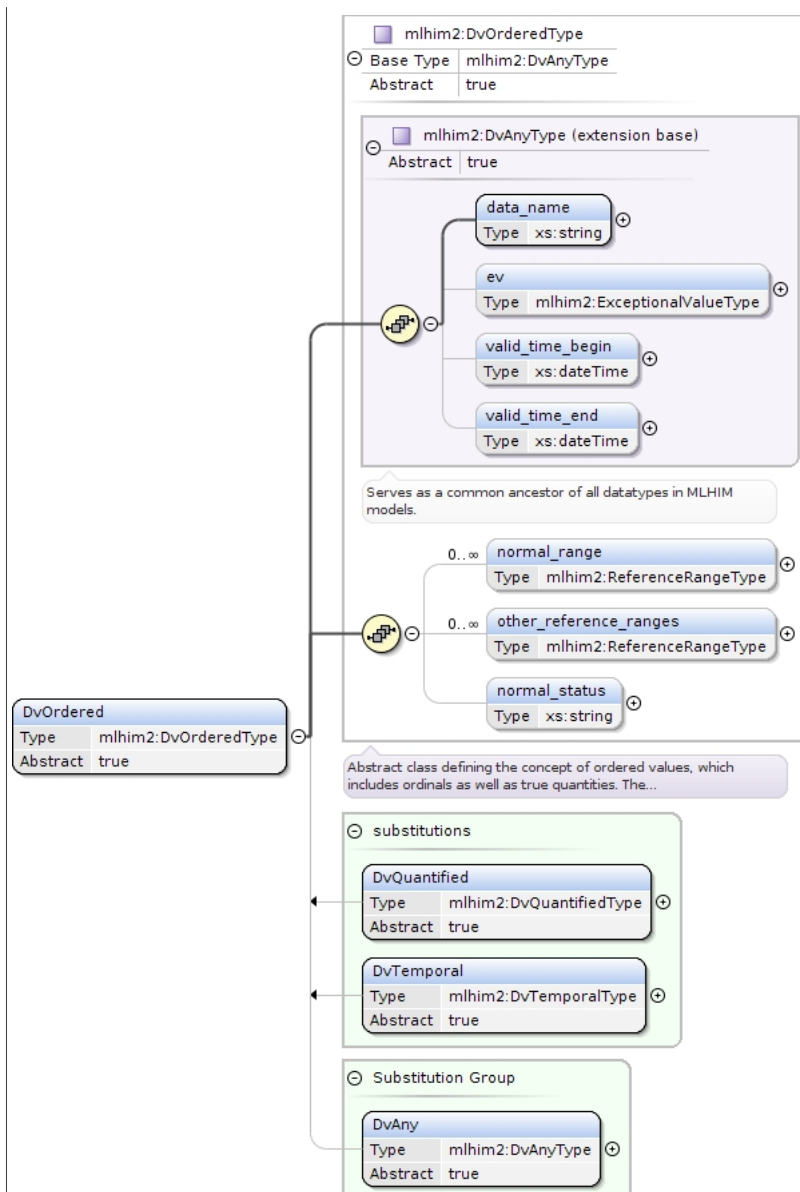
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the class hierarchy for mlhim2:DvMedia. It is a specialization of DvEncapsulated for audiovisual and bio-signal types, including further metadata relating to media.</p> <p>mlhim2:DvMedia (Type: mlhim2:DvMediaType) is the base type for the mlhim2:DvEncapsulatedType substitution group.</p> <p>mlhim2:DvEncapsulatedType (extension base: mlhim2:DvAnyType) is an abstract class defining the common meta-data of all types of encapsulated data. It includes the following attributes:</p> <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) size (Type: xs:int) charset (Type: xs:string) language (Type: xs:language) <p>mlhim2:DvAnyType (extension base: mlhim2:DvEncapsulatedType) is an abstract class that serves as a common ancestor of all datatypes in MLHIM models. It includes the following attributes:</p> <ul style="list-style-type: none"> mime_type (Type: xs:string) compression_type (Type: xs:string) hash_result (Type: xs:string) hash_function (Type: xs:string) alt_txt (Type: xs:string) uri (Type: xs:anyURI) media_content (Type: xs:base64Binary) <p>Substitution Group (mlhim2:DvEncapsulated):</p> <ul style="list-style-type: none"> DvEncapsulated (Type: mlhim2:DvEncapsulatedType, Abstract: true)

Type	mlhim2:DvMediaType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvEncapsulatedType <ul style="list-style-type: none"> mlhim2:DvMediaType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DvMedia xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>
Source	<xs:element name="DvMedia" substitutionGroup="mlhim2:DvEncapsulated" type="mlhim2:DvMediaType"/>

Element mlhim2:DvOrdered

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



Type `mlhim2:DvOrderedType`

Type hierarchy

- `mlhim2:DvAnyType`
- `mlhim2:DvOrderedType`

Properties

content:	complex
abstract:	true

Substitution Group

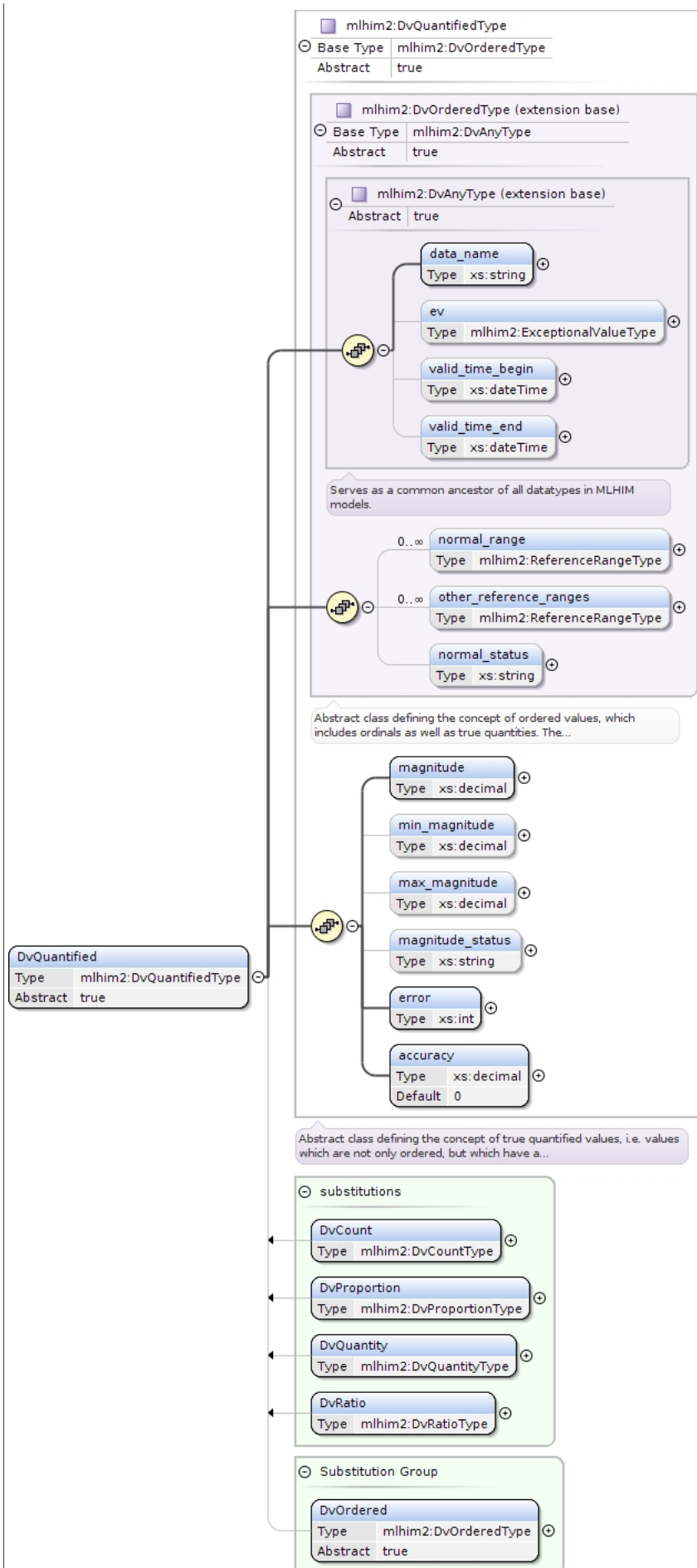
- `mlhim2:DvQuantity`
- `mlhim2:DvRatio`
- `mlhim2:DvProportion`
- `mlhim2:DvCount`
- `mlhim2:DvDateTime`
- `mlhim2:DvDate`
- `mlhim2:DvTime`
- `mlhim2:DvDay`
- `mlhim2:DvMonth`

	<ul style="list-style-type: none"> • mlhim2:DvYear • mlhim2:DvYearMonth • mlhim2:DvMonthDay
Substitution Group Affiliation	<ul style="list-style-type: none"> • 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	<pre><mlhim2:DvOrdered xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<pre><xs:element abstract="true" name="DvOrdered" substitutionGroup="mlhim2:DvAny" type="mlhim2:DvOrderedType"/></pre>

Element mlhim2:DvQuantified

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



Type	mlhim2:DvQuantifiedType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType 				
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>abstract:</td><td>true</td></tr> </table>	content:	complex	abstract:	true
content:	complex				
abstract:	true				
Substitution Group	<ul style="list-style-type: none"> mlhim2:DvQuantity mlhim2:DvRatio mlhim2:DvProportion mlhim2:DvCount 				
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <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> </pre>				
Source	<pre> <xs:element abstract="true" name="DvQuantified" substitutionGroup="mlhim2:DvOrdered" type="mlhim2:DvQuantifiedType" /> </pre>				

Element mlhim2:DvQuantifiedType / mlhim2:magnitude

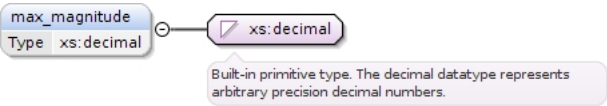
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0						
Diagram							
Type	xs:decimal						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	1	maxOccurs:	1
content:	simple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

Element mlhim2:DvQuantifiedType / mlhim2:min_magnitude

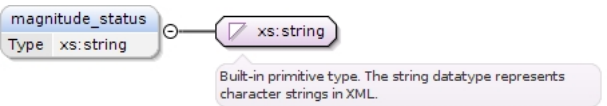
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	xs:decimal

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

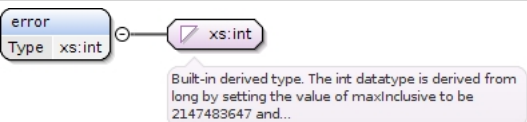
Element `mlhim2:DvQuantifiedType` / `mlhim2:max_magnitude`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0	
Diagram	 <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>	
Type	xs:decimal	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="max_magnitude" type="xs:decimal" /></code>	

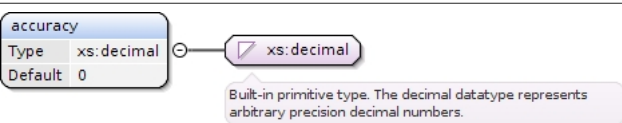
Element `mlhim2:DvQuantifiedType` / `mlhim2:magnitude_status`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0	
Diagram	 <p>Built-in primitive type. The string datatype represents character strings in XML.</p>	
Type	xs:string	
Properties	content:	simple
	minOccurs:	0
	maxOccurs:	1
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="magnitude_status" type="xs:string" /></code>	

Element `mlhim2:DvQuantifiedType` / `mlhim2:error`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0	
Diagram	 <p>Built-in derived type. The int datatype is derived from long by setting the value of maxInclusive to be 2147483647 and...</p>	
Type	xs:int	
Properties	content:	simple
	minOccurs:	1
	maxOccurs:	1
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="error" type="xs:int" /></code>	

Element `mlhim2:DvQuantifiedType` / `mlhim2:accuracy`

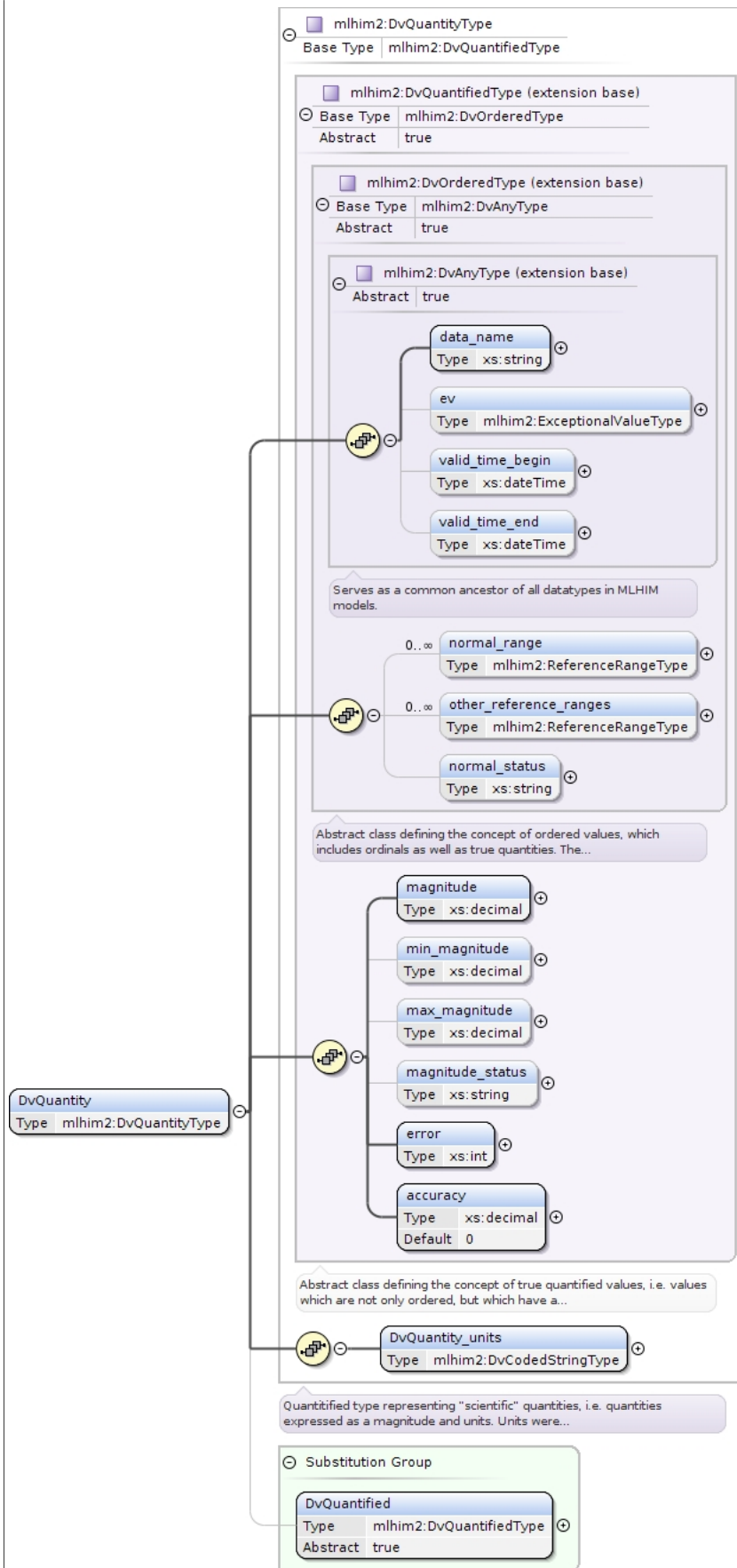
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0	
Diagram	 <p>Built-in primitive type. The decimal datatype represents arbitrary precision decimal numbers.</p>	
Type	xs:decimal	

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

Element `mlhim2:DvQuantity`

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



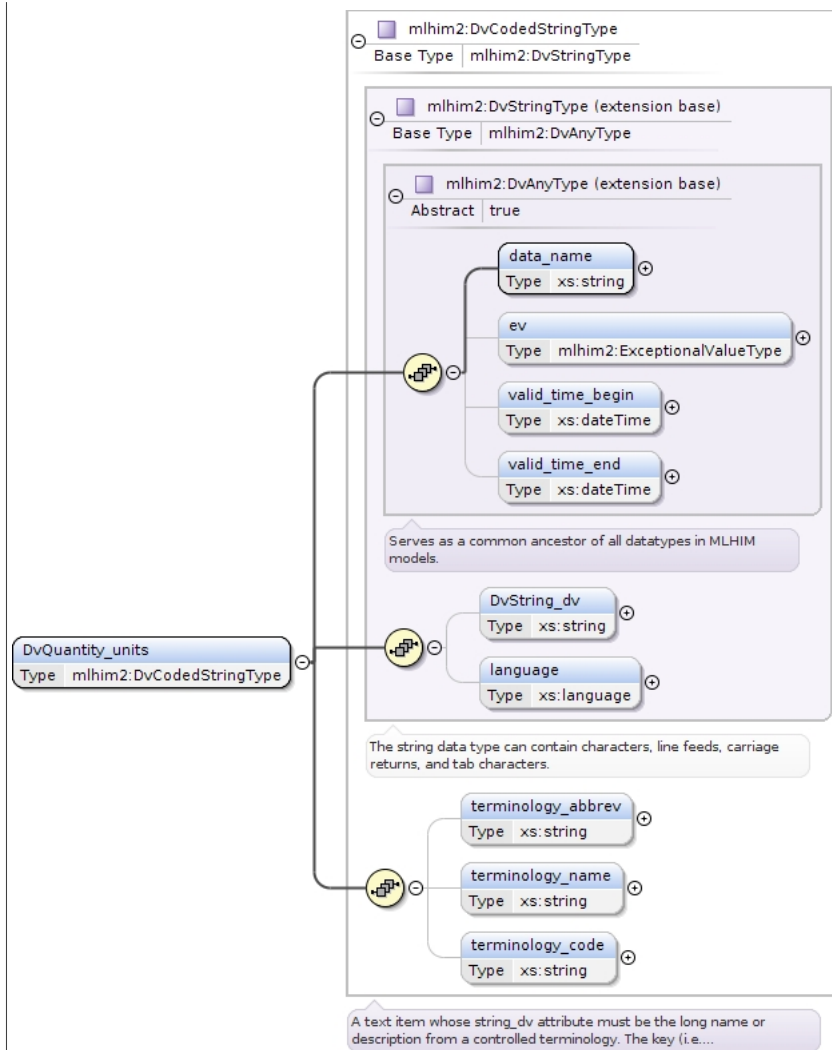
Type mlhim2:DvQuantityType

Type hierarchy	<ul style="list-style-type: none"> • mlhim2:DvAnyType <ul style="list-style-type: none"> • mlhim2:DvOrderedType <ul style="list-style-type: none"> • mlhim2:DvQuantifiedType <ul style="list-style-type: none"> • mlhim2:DvQuantityType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> • 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	<pre> <mlhim2:DvQuantity xmlns:mlhim2="http://www.mlhim.org/xmlls/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> </pre>
Source	<xs:element name="DvQuantity" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvQuantityType" />

Element mlhim2:DvQuantityType / mlhim2:DvQuantity_units

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

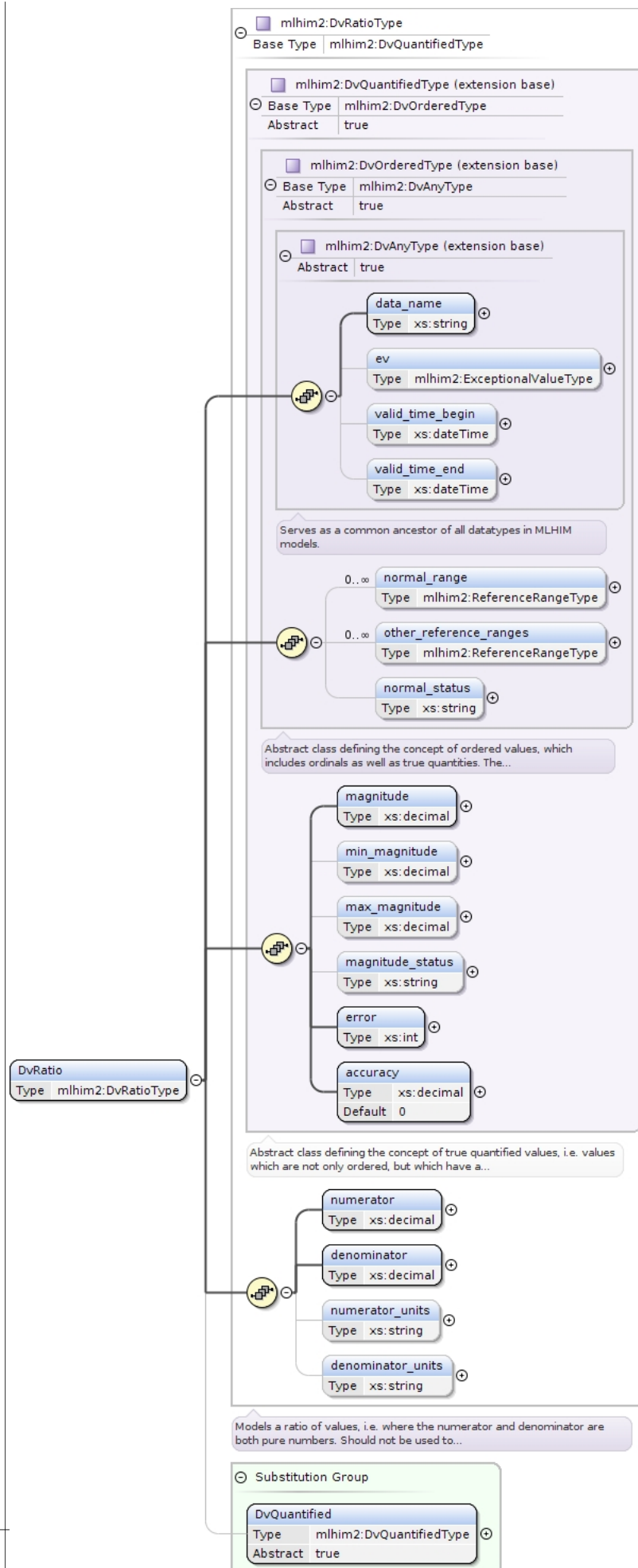


Type	mlhim2:DvCodedStringType						
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> mlhim2:DvCodedStringType 						
Properties	<table> <tr> <td>content:</td><td>complex</td></tr> <tr> <td>minOccurs:</td><td>1</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	complex	minOccurs:	1	maxOccurs:	1
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	<pre><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></pre>						
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="DvQuantity_units" type="mlhim2:DvCodedStringType" /></code>						

Element `mlhim2:DvRatio`

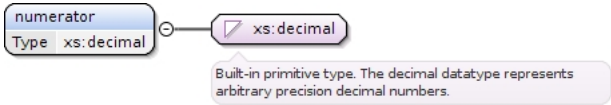
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram

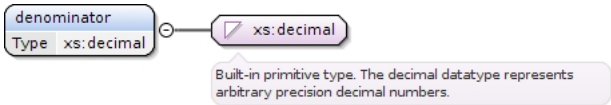


Type	mlhim2:DvRatioType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType <ul style="list-style-type: none"> mlhim2:DvRatioType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:DvRatio xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<code><xs:element name="DvRatio" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvRatioType"/></code>

Element mlhim2:DvRatioType / mlhim2:numerator

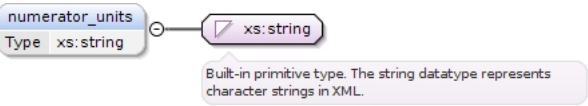
Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<code><xs:element name="numerator" type="xs:decimal"/></code>

Element mlhim2:DvRatioType / mlhim2:denominator

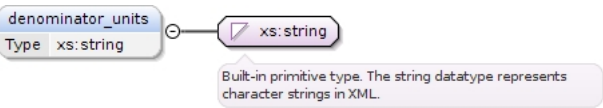
Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
Diagram	
Type	xs:decimal
Properties	content: simple
Source	<code><xs:element name="denominator" type="xs:decimal"/></code>

Element mlhim2:DvRatioType / mlhim2:numerator_units

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
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Diagram							
Type	xs:string						
Properties	<table> <tr> <td>content:</td><td>simple</td></tr> <tr> <td>minOccurs:</td><td>0</td></tr> <tr> <td>maxOccurs:</td><td>1</td></tr> </table>	content:	simple	minOccurs:	0	maxOccurs:	1
content:	simple						
minOccurs:	0						
maxOccurs:	1						
Source	<code><xs:element maxOccurs="1" minOccurs="0" name="numerator_units" type="xs:string"/></code>						

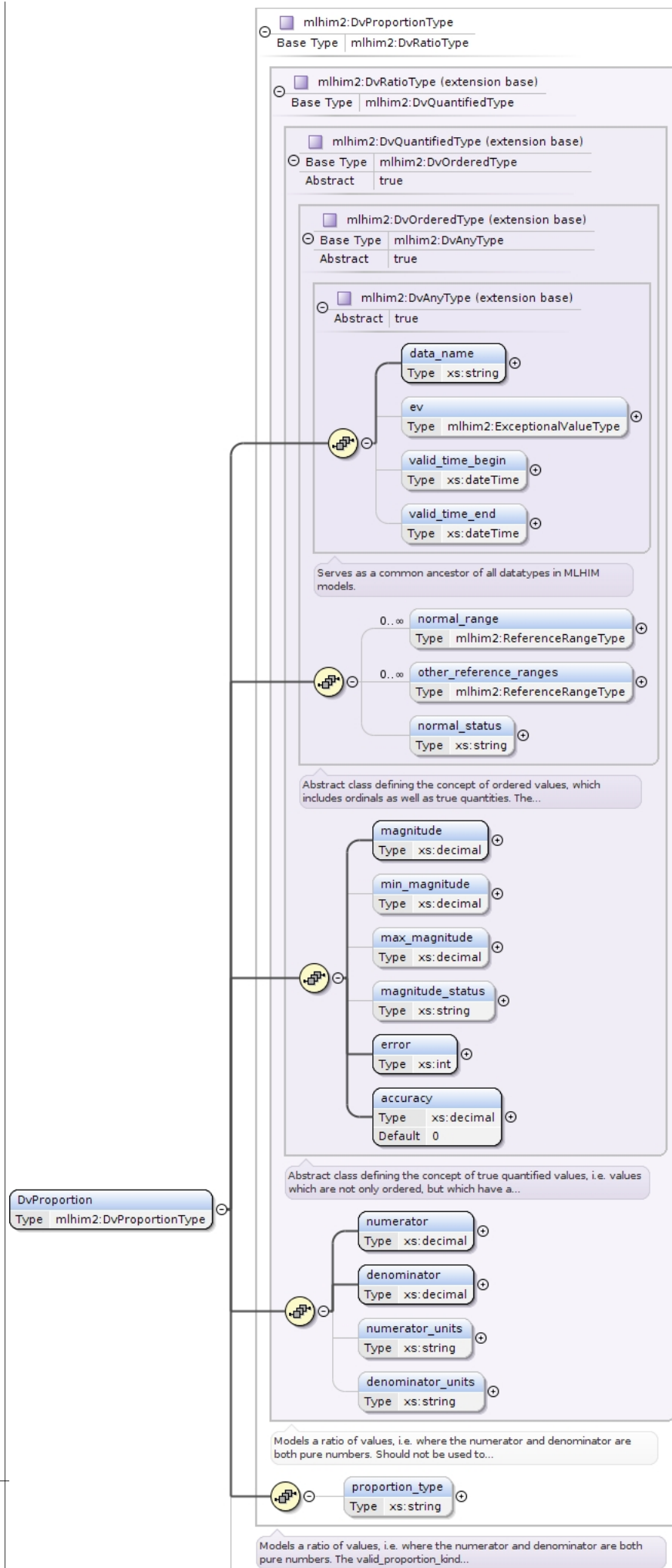
Element **mlhim2:DvRatioType** / **mlhim2:denominator_units**

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

Element **mlhim2:DvProportion**

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



Type	mlhim2:DvProportionType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType <ul style="list-style-type: none"> mlhim2:DvRatioType <ul style="list-style-type: none"> mlhim2:DvProportionType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DvProportion xmlns:mlhim2="http://www.mlhim.org/xmles/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> </pre>
Source	<pre> <xs:element name="DvProportion" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvProportionType"/> </pre>

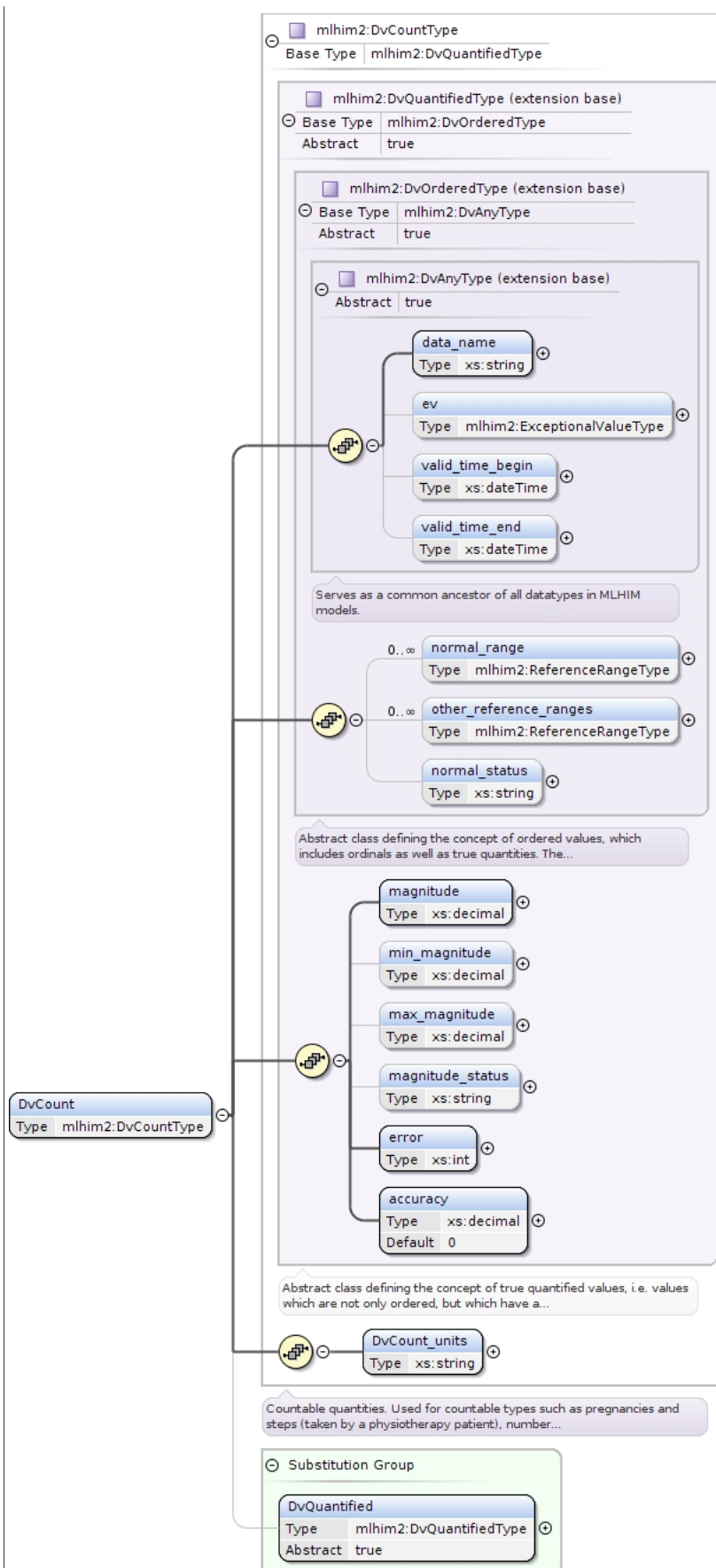
Element mlhim2:DvProportionType / mlhim2:proportion_type

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

Element mlhim2:DvCount

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

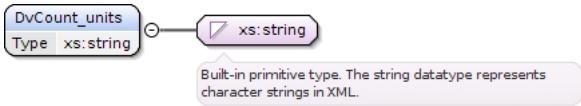


Type

mlhim2:DvCountType

Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType <ul style="list-style-type: none"> mlhim2:DvCountType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre> <mlhim2:DvCount xmlns:mlhim2="http://www.mlhim.org/xm1s/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> </pre>
Source	<code><xs:element name="DvCount" substitutionGroup="mlhim2:DvQuantified" type="mlhim2:DvCountType" /></code>

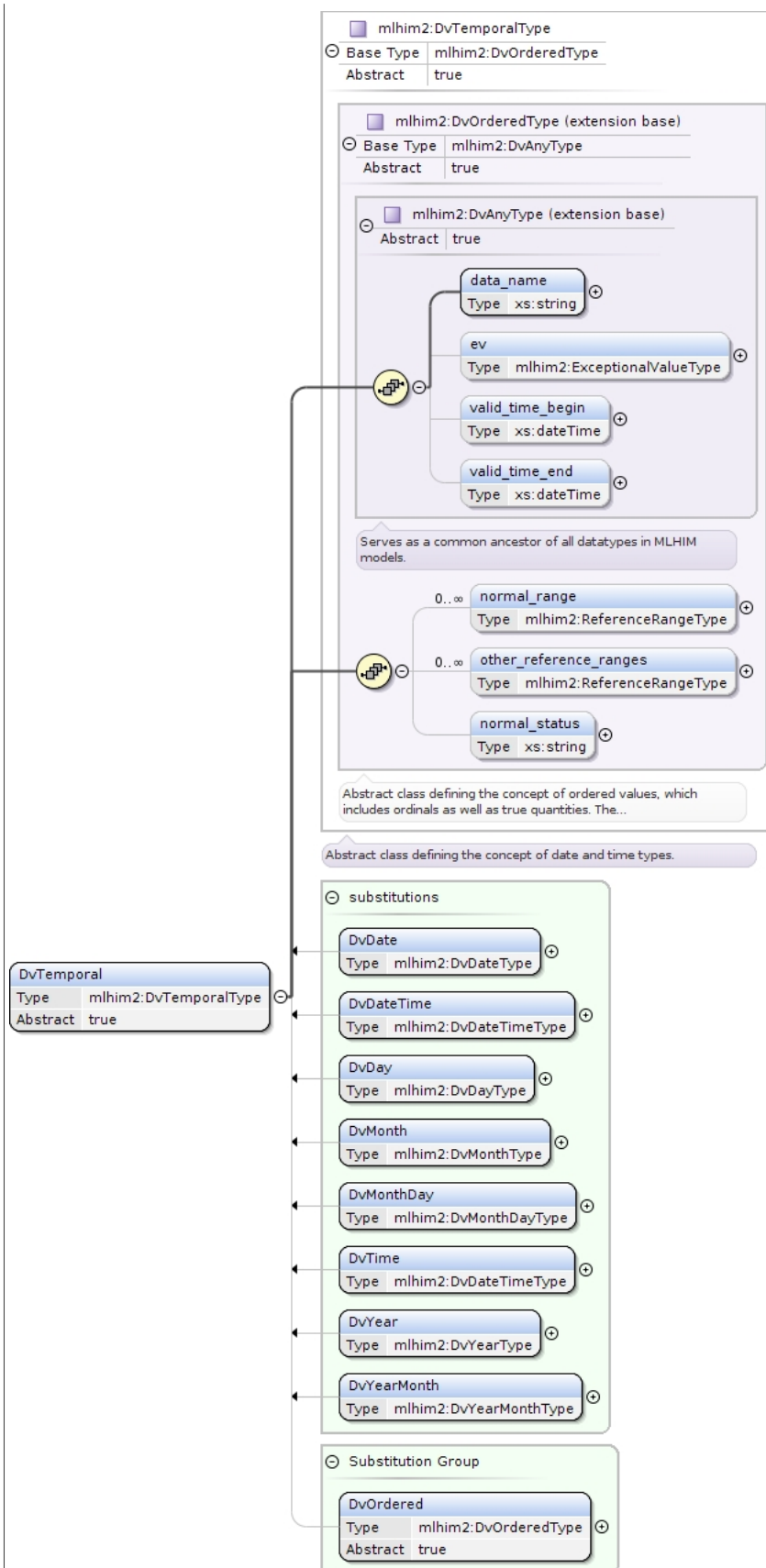
Element mlhim2:DvCountType / mlhim2:DvCount_units

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
Diagram	
Type	xs:string
Properties	content: simple minOccurs: 1 maxOccurs: 1
Source	<code><xs:element maxOccurs="1" minOccurs="1" name="DvCount_units" type="xs:string" /></code>

Element mlhim2:DvTemporal

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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Diagram



Type mlhim2:DvTemporalType

Type hierarchy

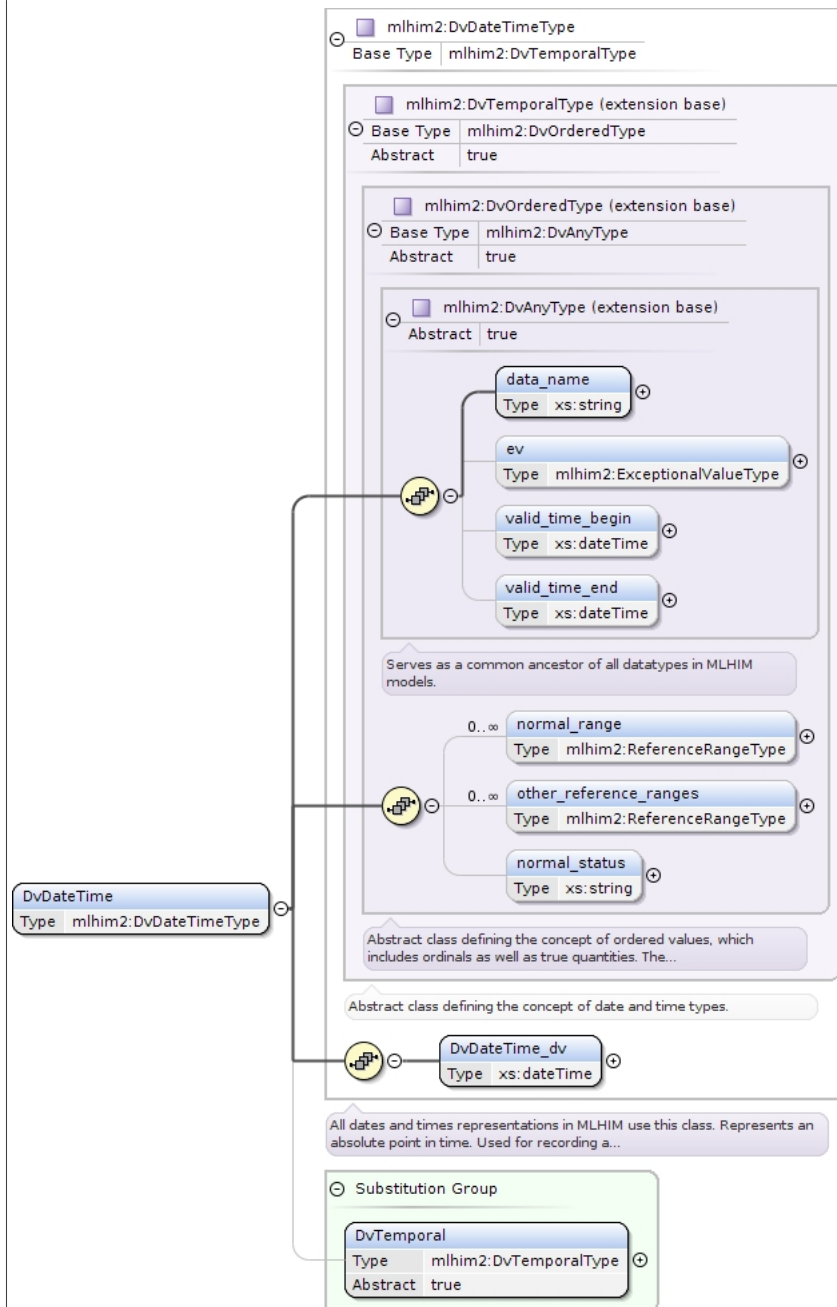
- mlhim2:DvAnyType
- mlhim2:DvOrderedType

	<ul style="list-style-type: none"> • mlhim2:DvTemporalType
Properties	content: complex
	abstract: true
Substitution Group	<ul style="list-style-type: none"> • mlhim2:DvDateTime • mlhim2:DvDate • mlhim2:DvTime • mlhim2:DvDay • mlhim2:DvMonth • mlhim2:DvYear • mlhim2:DvYearMonth • mlhim2:DvMonthDay
Substitution Group Affiliation	<ul style="list-style-type: none"> • 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	<pre><mlhim2:DvTemporal xmlns:mlhim2="http://www.mlhim.org/xmles/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></pre>
Source	<pre><xs:element abstract="true" name="DvTemporal" substitutionGroup="mlhim2:DvOrdered" type="mlhim2:DvTemporalType"/></pre>

Element mlhim2:DvDateTime

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
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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/xm1s/mlhim2/2_3_0">
<mlhim2:data_name>{1,1}</mlhim2:data_name>`

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

Element mlhim2:DvDate

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2DvAnyType["mlhim2:DvAnyType (extension base)"] { <<abstract>> } class mlhim2DvOrderedType["mlhim2:DvOrderedType (extension base)"] { <<abstract>> } class mlhim2DvTemporalType["mlhim2:DvTemporalType (extension base)"] { <<abstract>> } class mlhim2DvDateType["mlhim2:DvDateType"] class mlhim2DvDateDv["DvDate_dv"] class mlhim2DvTemporalSubstGroup["DvTemporal"] mlhim2DvAnyType < -- mlhim2DvOrderedType mlhim2DvOrderedType < -- mlhim2DvTemporalType mlhim2DvTemporalType < -- mlhim2DvDateType mlhim2DvTemporalType < -- mlhim2DvDateDv mlhim2DvTemporalType < -- mlhim2DvTemporalSubstGroup mlhim2DvAnyType + data_name : xs:string mlhim2DvAnyType + ev : mlhim2:ExceptionalValueType mlhim2DvAnyType + valid_time_begin : xs:dateTime mlhim2DvAnyType + valid_time_end : xs:dateTime mlhim2DvOrderedType + normal_range : mlhim2:ReferenceRangeType mlhim2DvOrderedType + other_reference_ranges : mlhim2:ReferenceRangeType mlhim2DvOrderedType + normal_status : xs:string mlhim2DvDateDv + : xs:date </pre> <p>The diagram illustrates the hierarchy of the <code>mlhim2:DvDateType</code> element. It shows the following structure:</p> <ul style="list-style-type: none"> mlhim2:DvAnyType (extension base): Abstract class. Attributes: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). It serves as a common ancestor of all datatypes in MLHIM models. mlhim2:DvOrderedType (extension base): Abstract class. Inherits from <code>mlhim2:DvAnyType</code>. Attributes: <code>normal_range</code> (Type: <code>mlhim2:ReferenceRangeType</code>, multiplicity 0..∞), <code>other_reference_ranges</code> (Type: <code>mlhim2:ReferenceRangeType</code>, multiplicity 0..∞), <code>normal_status</code> (Type: <code>xs:string</code>). mlhim2:DvTemporalType (extension base): Abstract class. Inherits from <code>mlhim2:DvOrderedType</code>. It is an abstract class defining the concept of date and time types. mlhim2:DvDateType: Concrete class. Inherits from <code>mlhim2:DvTemporalType</code>. DvDate_dv: Concrete class. Inherits from <code>mlhim2:DvTemporalType</code>. Type: <code>xs:date</code>. It is used to specify a date in the form "YYYY-MM-DD". DvTemporal: Substitution Group. Inherits from <code>mlhim2:DvTemporalType</code>. It is an abstract class.
Type	mlhim2:DvDateType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> mlhim2:DvDateType DvDate_dv DvTemporal

	<ul style="list-style-type: none"> mlhim2:DvDateType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:DvDate xmlns:mlhim2="http://www.mlhim.org/xm1s/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></pre>
Source	<code><xs:element name="DvDate" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDateType"/></code>

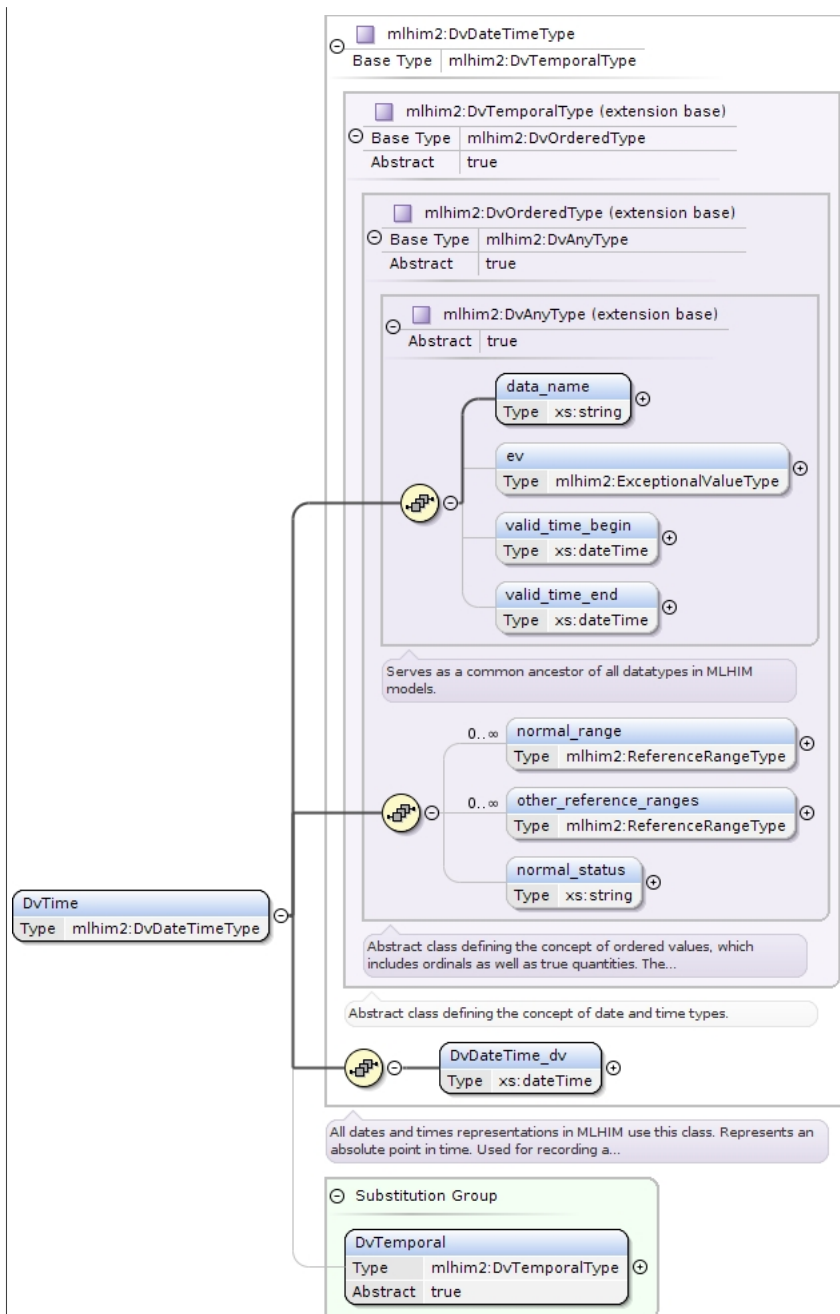
Element mlhim2:DvDateType / mlhim2:DvDate_dv

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
Diagram	<p>The diagram shows a box labeled 'DvDate_dv' with 'Type xs:date' below it. A line connects this box to a purple box labeled 'xs:date'. A callout bubble points to the 'xs:date' box with the text: 'Built-in primitive type. The date datatype represents a calendar date.'</p>
Type	xs:date
Properties	content: simple
Source	<code><xs:element name="DvDate_dv" type="xs:date"/></code>

Element mlhim2:DvTime

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
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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/xm1s/mlhim2/2_3_0">
<mlhim2:data_name>{1,1}</mlhim2:data_name>

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

Element mlhim2:DvDay

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the class hierarchy for <code>mlhim2:DvDayType</code>. It is an abstract class that serves as a common ancestor for all datatypes in MLHIM models. It is part of a substitution group <code>DvTemporal</code> along with <code>mlhim2:DvDay_dv</code>.</p> <pre> classDiagram class mlhim2DvAnyType["mlhim2:DvAnyType (extension base)"] { <<abstract>> } class mlhim2DvOrderedType["mlhim2:DvOrderedType (extension base)"] { <<abstract>> } class mlhim2DvTemporalType["mlhim2:DvTemporalType (extension base)"] { } class mlhim2DvDayType["mlhim2:DvDayType"] class mlhim2DvDay_dv["mlhim2:DvDay_dv"] class mlhim2DvNormalRange["mlhim2:normal_range"] class mlhim2DvOtherReferenceRanges["mlhim2:other_reference_ranges"] class mlhim2DvNormalStatus["mlhim2:normal_status"] class mlhim2DvEv["mlhim2:ev"] class mlhim2DvValidTimeBegin["mlhim2:valid_time_begin"] class mlhim2DvValidTimeEnd["mlhim2:valid_time_end"] mlhim2DvAnyType < -- mlhim2DvOrderedType mlhim2DvAnyType < -- mlhim2DvTemporalType mlhim2DvOrderedType < -- mlhim2DvDayType mlhim2DvOrderedType < -- mlhim2DvDay_dv mlhim2DvTemporalType < -- mlhim2DvDayType mlhim2DvTemporalType < -- mlhim2DvDay_dv mlhim2DvDayType < -- mlhim2DvNormalRange mlhim2DvDayType < -- mlhim2DvOtherReferenceRanges mlhim2DvDayType < -- mlhim2DvNormalStatus mlhim2DvDayType < -- mlhim2DvEv mlhim2DvDayType < -- mlhim2DvValidTimeBegin mlhim2DvDayType < -- mlhim2DvValidTimeEnd </pre> <p>Attributes of <code>mlhim2:DvDayType</code> include:</p> <ul style="list-style-type: none"> <code>data_name</code> (Type: xs:string) <code>ev</code> (Type: mlhim2:ExceptionalValueType) <code>valid_time_begin</code> (Type: xs:dateTime) <code>valid_time_end</code> (Type: xs:dateTime) <code>normal_range</code> (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) <code>other_reference_ranges</code> (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) <code>normal_status</code> (Type: xs:string) <p>Substitution Group: <code>DvTemporal</code> (Type: mlhim2:DvTemporalType, Abstract: true)</p>
Type	mlhim2:DvDayType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> mlhim2:DvDayType
Properties	content: complex

Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>
Source	<code><xs:element name="DvDay" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvDayType"/></code>

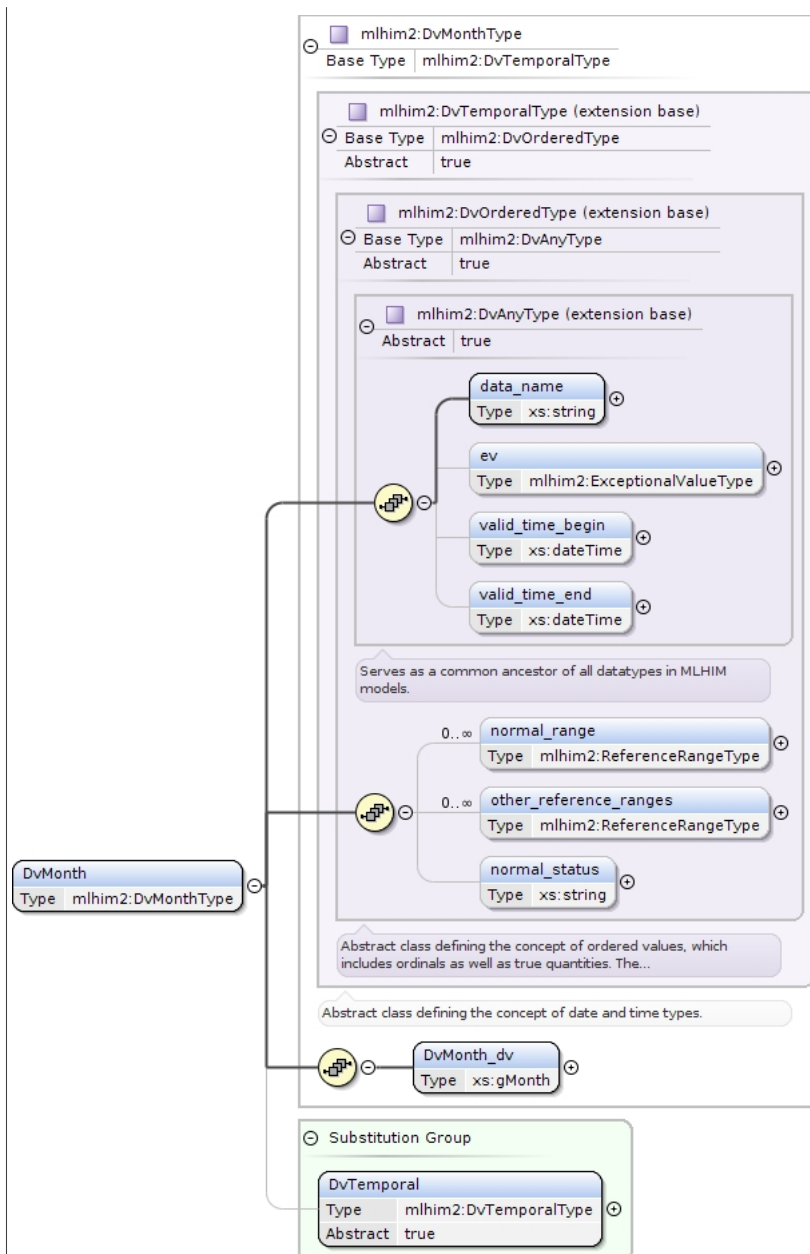
Element mlhim2:DvDayType / mlhim2:DvDay_dv

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

Element mlhim2:DvMonth

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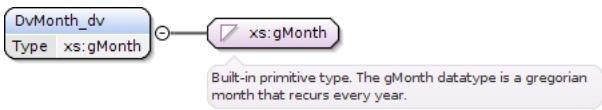
Diagram



Type	mlhim2:DvMonthType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvOrderedType mlhim2:DvTemporalType mlhim2:DvMonthType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>

	<pre><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></pre>
Source	<pre><xs:element name="DvMonth" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvMonthType"/></pre>

Element `mlhim2:DvMonthType` / `mlhim2:DvMonth_dv`

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

Element `mlhim2:DvYear`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:DvYearType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvOrderedType mlhim2:DvTemporalType mlhim2:DvYearType
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><mlhim2:DvYear xmlns:mlhim2="http://www.mlhim.org/xmlls/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></pre>

	<pre><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></pre>
Source	<pre><xs:element name="DvYear" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvYearType" /></pre>

Element **mlhim2:DvYearType** / **mlhim2:DvYear_dv**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>Diagram illustrating the relationship between the DvYear_dv Type and the xs:gYear datatype. The DvYear_dv Type is shown as a box containing xs:gYear. A callout bubble points to the xs:gYear box, stating: "Built-in primitive type. The gYear datatype represents a gregorian calendar year."</p>
Type	xs:gYear
Properties	content: simple
Source	<pre><xs:element name="DvYear_dv" type="xs:gYear" /></pre>

Element **mlhim2:DvYearMonth**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	mlhim2:DvYearMonthType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvYearMonthType mlhim2:DvYearMonth_dv
Properties	content: complex
Substitution Group Affiliation	<ul style="list-style-type: none"> 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	<pre><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></pre>

	<pre> <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> </pre>
Source	<code><xs:element name="DvYearMonth" substitutionGroup="mlhim2:DvTemporal" type="mlhim2:DvYearMonthType" /></code>

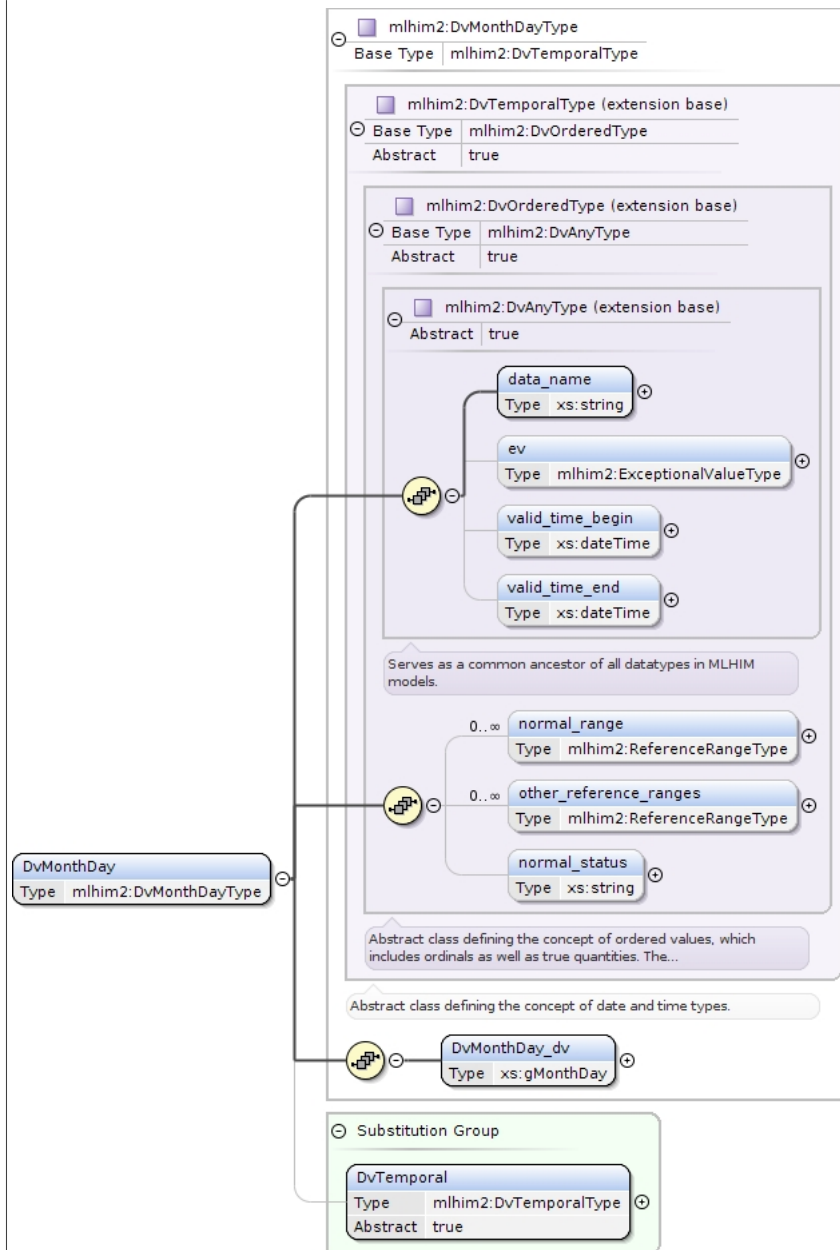
Element `mlhim2:DvYearMonthType` / `mlhim2:DvYearMonth_dv`

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

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>

```

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

Element **mlhim2:DvMonthDayType** / **mlhim2:DvMonthDay_dv**

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

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	<code><xs:element maxOccurs="1" minOccurs="1" name="DvOrdinal_dv" type="xs:int"/></code>

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	<code><xs:element maxOccurs="1" minOccurs="1" name="symbol" type="xs:string"/></code>

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	<code><xs:element maxOccurs="1" minOccurs="0" name="rate_type" type="xs:string"/></code>

Element mlhim2:DvDurationType / mlhim2:DvDuration_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>Diagram description: A box labeled 'DvDuration_dv' with 'Type xs:duration' below it is connected by a line to a purple box labeled 'xs:duration'. A callout bubble points to the 'xs:duration' box with the text: 'Built-in primitive type. The duration datatype represents a duration of time.'</p>
Type	xs:duration
Properties	content: simple
Source	<code><xs:element name="DvDuration_dv" type="xs:duration" /></code>

Element mlhim2:DvTimeType / mlhim2:DvTime_dv

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>Diagram description: A box labeled 'DvTime_dv' with 'Type xs:time' below it is connected by a line to a purple box labeled 'xs:time'. A callout bubble points to the 'xs:time' box with the text: 'Built-in primitive type. The time datatype represents an instant of time that recurs every day.'</p>
Type	xs:time
Properties	content: simple
Source	<code><xs:element name="DvTime_dv" type="xs:time" /></code>

Element mlhim2:LAType / mlhim2:ev_name

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>Diagram description: A box labeled 'ev_name' with 'Type xs:string' and 'Default Locally Added' below it is connected by a line to a purple box labeled 'xs:string'. A callout bubble points to the 'xs:string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple default: Locally Added
Source	<code><xs:element default="Locally Added" name="ev_name" type="xs:string" /></code>

Element mlhim2:LAType / mlhim2:ev_meaning

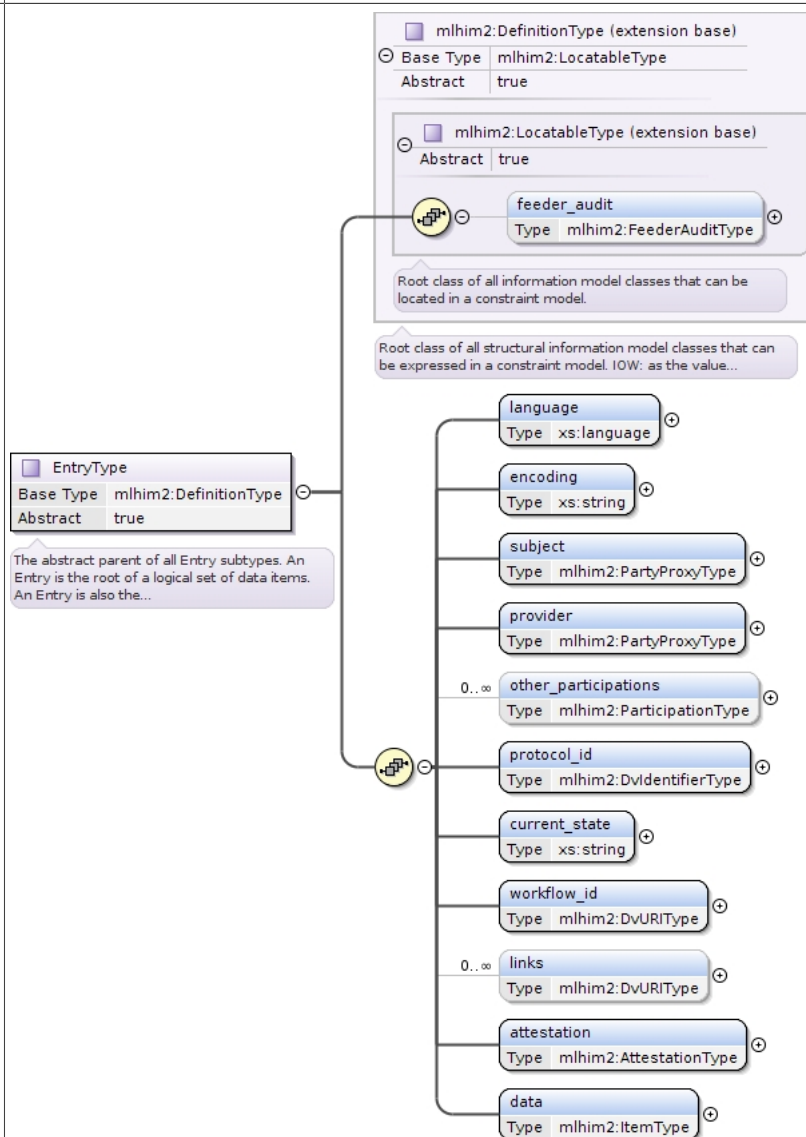
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>Diagram description: A box labeled 'ev_meaning' with 'Type xs:string' and 'Default Must be changed locally to be meaningful.' below it is connected by a line to a purple box labeled 'xs:string'. A callout bubble points to the 'xs:string' box with the text: 'Built-in primitive type. The string datatype represents character strings in XML.'</p>
Type	xs:string
Properties	content: simple default: Must be changed locally to be meaningful.
Source	<code><xs:element default="Must be changed locally to be meaningful." name="ev_meaning" type="xs:string" /></code>

Complex Type(s)**Complex Type mlhim2:EntryType**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>The abstract parent of all Entry subtypes. An Entry is the root of a logical set of data items.</p> <p>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.</p>

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	<code>mlhim2:Entry</code>
Complex Types	<code>mlhim2:AdminEntryType</code> , <code>mlhim2:CareEntryType</code> , <code>mlhim2:DemographicEntryType</code>

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:LocatableType">
    <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	<pre> classDiagram class DefinitionType { <<abstract>> } class LocatableType { <<abstract>> } class FeederAuditType { } DefinitionType < -- LocatableType DefinitionType < -- FeederAuditType </pre> <p>Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value...</p> <p>Root class of all information model classes that can be located in a constraint model.</p>	
Type	extension of mlhim2:LocatableType	
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>	

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	<pre> classDiagram class LocatableType { <<abstract>> } class FeederAuditType { } LocatableType < -- FeederAuditType </pre> <p>Root class of all information model classes that can be located in a constraint model.</p>	
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	<pre> <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> </pre>	

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	<pre> <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> </pre>	

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	<p>Elements</p> <p>mlhim2:FeederAuditDetails, mlhim2:FeederAuditType/mlhim2:feeder_system_audit, mlhim2:FeederAuditType/mlhim2:originating_system_audit</p>
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	<pre> <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> </pre>

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	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

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	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvStringType 				
Used by	<table border="1"> <tr> <td>Complex Types</td> <td>mlhim2:DvCodedStringType, mlhim2:DvIdentifierType</td> </tr> <tr> <td>Element</td> <td>mlhim2:DvString</td> </tr> </table>	Complex Types	mlhim2:DvCodedStringType, mlhim2:DvIdentifierType	Element	mlhim2:DvString
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	<pre> <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> </pre>				

Complex Type mlhim2:DvAnyType

Namespace	http://www.mlhim.org/xmlls/mlhim2/2_3_0				
Annotations	Serves as a common ancestor of all datatypes in MLHIM models.				
Diagram					
Properties	abstract: true				
Used by	<table border="1"> <tr> <td>Complex Types</td> <td>mlhim2:DvBooleanType, mlhim2:DvEncapsulatedType, mlhim2:DvIntervalType, mlhim2:DvOrderedType, mlhim2:DvStringType, mlhim2:DvURIType, mlhim2:ReferenceRangeType</td> </tr> <tr> <td>Elements</td> <td>mlhim2:DvAny, mlhim2:ElementType/mlhim2:Element_dv</td> </tr> </table>	Complex Types	mlhim2:DvBooleanType, mlhim2:DvEncapsulatedType, mlhim2:DvIntervalType, mlhim2:DvOrderedType, mlhim2:DvStringType, mlhim2:DvURIType, mlhim2:ReferenceRangeType	Elements	mlhim2:DvAny, mlhim2:ElementType/mlhim2:Element_dv
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	<pre> <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> </pre>

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	<pre> classDiagram class ExceptionalValueType { <<abstract>> } class ev_name { Type xs:string Fixed Exceptional Value } class ev_meaning { Type xs:string Fixed The value is somehow outside the bounds of what was expected. } ExceptionalValueType < -- ev_name ExceptionalValueType < -- ev_meaning </pre>				
Properties	abstract: true				
Used by	<table border="1"> <tr> <td>Elements</td> <td>mlhim2:DvAnyType/mlhim2:ev, mlhim2:ExceptionalValue</td> </tr> <tr> <td>Complex Types</td> <td>mlhim2:LAType, mlhim2:NIType</td> </tr> </table>	Elements	mlhim2:DvAnyType/mlhim2:ev, mlhim2:ExceptionalValue	Complex Types	mlhim2:LAType, mlhim2:NIType
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	<pre> <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> </pre>				

Complex Type mlhim2:PartyIdentifiedType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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.</p> <p>Should not be used to include patient identifying information.</p>

Diagram	
Type	extension of mlhim2:PartyProxyType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

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	<ul style="list-style-type: none"> 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	<pre> <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> </pre>	

Complex Type mlhim2:DvURIType

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0	
Annotations	Used to specify a URI. Set the pattern to accommodate your needs.	
Diagram	<pre> classDiagram class DvAnyType["mlhim2:DvAnyType (extension base)"] { <<abstract>> } class DvURIType { data_name xs:string ev mlhim2:ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime } class DvURI_dv { xs:anyURI } DvAnyType < -- DvURIType DvURIType --> DvURI_dv </pre>	
Type	extension of mlhim2:DvAnyType	
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>	

```

</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	<p>The diagram illustrates the class hierarchy for the <code>mlhim2</code> namespace. It shows the following structure:</p> <ul style="list-style-type: none"> mlhim2:SlotType (extension base <code>mlhim2:ItemType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:ItemType</code> Abstract: true Description: A structure allowing the inclusion of one CCD inside a CCD. The possible CCDs allowed is restricted to those CCDs in... mlhim2:ItemType (extension base <code>mlhim2:DefinitionType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:DefinitionType</code> Abstract: true mlhim2:DefinitionType (extension base <code>mlhim2:LocatableType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:LocatableType</code> Abstract: true Description: Root class of all information model classes that can be located in a constraint model. mlhim2:LocatableType (extension base <code>mlhim2:FeederAuditType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:FeederAuditType</code> Abstract: true Description: Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value... mlhim2:FeederAuditType (extension base <code>mlhim2:CCDType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:CCDType</code> Abstract: true Description: The abstract parent of Event, Slot, Cluster and Element representation classes. mlhim2:CCDType (extension base <code>mlhim2:FeederAuditType</code>) <ul style="list-style-type: none"> Base Type: <code>mlhim2:FeederAuditType</code> Abstract: true
Type	extension of <code>mlhim2:ItemType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:LocatableType</code> <ul style="list-style-type: none"> <code>mlhim2:DefinitionType</code> <ul style="list-style-type: none"> <code>mlhim2:ItemType</code> <ul style="list-style-type: none"> <code>mlhim2:SlotType</code>
Used by	Elements <code>mlhim2:FeederAuditDetailsType/mlhim2:location</code> , <code>mlhim2:Slot</code>
Model	<code>mlhim2:feeder_audit{0,1}</code> , <code>mlhim2:ccd{0,1}</code>
Children	<code>mlhim2:ccd</code> , <code>mlhim2:feeder_audit</code>
Source	<pre> <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> </pre>

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	<p>The diagram illustrates the class hierarchy for mlhim2:DefinitionType. It is an abstract base type. mlhim2:LocatableType and mlhim2:ItemType are its direct extensions. mlhim2:FeederAuditType extends mlhim2:LocatableType. Annotations indicate that mlhim2:DefinitionType is the abstract parent of Event, Slot, Cluster, and Element representation classes. mlhim2:LocatableType is the root class for all information model classes, and mlhim2:FeederAuditType is the root class for all structural information model classes.</p>				
Type	extension of mlhim2:DefinitionType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType mlhim2:ItemType 				
Properties	abstract: true				
Used by	<table border="1"> <tr> <td>Complex Types</td> <td>mlhim2:ClusterType, mlhim2:ElementType, mlhim2:SlotType</td> </tr> <tr> <td>Elements</td> <td>mlhim2:ClusterType/mlhim2:items, mlhim2:EntryType/mlhim2:data, mlhim2:Item</td> </tr> </table>	Complex Types	mlhim2:ClusterType, mlhim2:ElementType, mlhim2:SlotType	Elements	mlhim2:ClusterType/mlhim2:items, mlhim2:EntryType/mlhim2:data, mlhim2:Item
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	<pre><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></pre>				

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	<p>The diagram shows mlhim2:CCDType as a complex type containing a single element named definition of type mlhim2:DefinitionType. An annotation states that this is the root node of a Concept Constraint Definition.</p>
Used by	Element mlhim2:SlotType/mlhim2:ccd
Model	mlhim2:definition
Children	mlhim2:definition
Source	<pre><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></pre>

Complex Type mlhim2:DvDateTimeType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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.</p> <p>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.</p>

Diagram	<p>DvDateTimeType Base Type: mlhim2:DvTemporalType</p> <p>All dates and times representations in MLHIM use this class. Represents an absolute point in time. Used for recording a...</p> <p>mlhim2:DvTemporalType (extension base) Base Type: mlhim2:DvOrderedType Abstract: true</p> <p>mlhim2:DvOrderedType (extension base) Base Type: mlhim2:DvAnyType Abstract: true</p> <p>mlhim2:DvAnyType (extension base) Abstract: true</p> <p>Attributes of mlhim2:DvAnyType:</p> <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) <p>Sequences of mlhim2:DvAnyType:</p> <ul style="list-style-type: none"> normal_range (Type: mlhim2:ReferenceRangeType, 0..∞) other_reference_ranges (Type: mlhim2:ReferenceRangeType, 0..∞) normal_status (Type: xs:string) <p>Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...</p> <p>Abstract class defining the concept of date and time types.</p> <p>Attribute of DvDateTimeType:</p> <ul style="list-style-type: none"> DvDateTime_dv (Type: xs:dateTime)
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> mlhim2:DvDateTimeType
Used by	<p>Elements</p> <p>mlhim2:AttestationType/mlhim2:time_commmitted, mlhim2:DvDateTime, mlhim2:DvTime, mlhim2:FeederAuditDetailsType/mlhim2:time, mlhim2:ParticipationType/mlhim2:end_time, mlhim2:ParticipationType/mlhim2:start_time</p>
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	<pre> <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> </pre>

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	<p>The diagram illustrates the structure of the DvTemporalType complex type. It is an abstract class that extends mlhim2:DvOrderedType. The DvTemporalType class has the following properties:</p> <ul style="list-style-type: none"> Base Type: mlhim2:DvOrderedType Abstract: true <p>The DvTemporalType class is composed of two main parts, each represented by a yellow circle with a plus sign:</p> <ul style="list-style-type: none"> Temporal Data: This part includes the following elements: <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) Reference Ranges: This part includes the following elements: <ul style="list-style-type: none"> normal_range (Type: mlhim2:ReferenceRangeType) other_reference_ranges (Type: mlhim2:ReferenceRangeType) normal_status (Type: xs:string) <p>Additional annotations in the diagram include:</p> <ul style="list-style-type: none"> Serves as a common ancestor of all datatypes in MLHIM models. (Pointing to the DvTemporalType class) Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... (Pointing to the mlhim2:DvOrderedType base class) 	
Type	extension of mlhim2:DvOrderedType	
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>	

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	<ul style="list-style-type: none"> 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	<pre> <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> </pre>	

Complex Type mlhim2:ReferenceRangeType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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.</p> <p>May be used to represent normal, therapeutic, dangerous, critical etc ranges.</p>

Diagram	<pre> classDiagram class ReferenceRangeType { data_name xs:string ev mlhim2:ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime ReferenceRange_definition xs:string data_range mlhim2:DvIntervalType } class mlhim2DvAnyType { <<abstract>> } ReferenceRangeType -- > mlhim2DvAnyType </pre> <p>ReferenceRangeType Base Type: mlhim2:DvAnyType</p> <p>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.</p> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Elements:</p> <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) ReferenceRange_definition (Type: xs:string) data_range (Type: mlhim2:DvIntervalType)
Type	extension of mlhim2:DvAnyType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:DvIntervalType

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

Diagram	
Type	extension of mlhim2:DvAnyType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

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	<pre> classDiagram class mlhim2DvEncapsulatedType { <<abstract>> Base Type mlhim2DvAnyType data_name xs:string ev mlhim2ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime size xs:int charset xs:string language xs:language DvParsable_dv xs:string formalism xs:string } class mlhim2DvAnyType { <<abstract>> } class mlhim2DvParsableType { Base Type mlhim2DvEncapsulatedType } mlhim2DvEncapsulatedType < -- mlhim2DvAnyType mlhim2DvEncapsulatedType < -- mlhim2DvParsableType </pre> <p>Encapsulated data expressed as a parsable String. The internal model of the data item is not described in the MLHIM...</p> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Abstract class defining the common meta-data of all types of encapsulated data.</p>
Type	extension of mlhim2:DvEncapsulatedType
Type hierarchy	<ul style="list-style-type: none"> 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	<p>The diagram illustrates the structure of the <code>mlhim2:DvEncapsulatedType</code> complex type. It is an abstract class that extends <code>mlhim2:DvAnyType</code>. The <code>mlhim2:DvAnyType</code> base type is also shown as an abstract class. The <code>DvEncapsulatedType</code> class contains several elements: <code>data_name</code> (type <code>xs:string</code>), <code>ev</code> (type <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (type <code>xs:dateTime</code>), <code>valid_time_end</code> (type <code>xs:dateTime</code>), <code>size</code> (type <code>xs:int</code>), <code>charset</code> (type <code>xs:string</code>), and <code>language</code> (type <code>xs:language</code>). A note indicates that <code>DvEncapsulatedType</code> serves as a common ancestor for all datatypes in MLHIM models.</p>				
Type	extension of <code>mlhim2:DvAnyType</code>				
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:DvEncapsulatedType</code> 				
Properties	abstract: true				
Used by	<table border="1"> <tr> <td>Complex Types</td> <td><code>mlhim2:DvMediaType</code>, <code>mlhim2:DvParsableType</code></td> </tr> <tr> <td>Element</td> <td><code>mlhim2:DvEncapsulated</code></td> </tr> </table>	Complex Types	<code>mlhim2:DvMediaType</code> , <code>mlhim2:DvParsableType</code>	Element	<code>mlhim2:DvEncapsulated</code>
Complex Types	<code>mlhim2:DvMediaType</code> , <code>mlhim2:DvParsableType</code>				
Element	<code>mlhim2:DvEncapsulated</code>				
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:size</code> , <code>mlhim2:charset{0,1}</code> , <code>mlhim2:language{0,1}</code>				
Children	<code>mlhim2:charset</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:language</code> , <code>mlhim2:size</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>				
Source	<pre> <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> </pre>				

Complex Type `mlhim2:ParticipationType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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.</p> <p>Should not be used in place of more permanent relationships between demographic entities.</p>

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	<p>A text item whose string_dv attribute must be the long name or description from a controlled terminology.</p> <p>The key (i.e. the 'code') of which is the code_string attribute.</p> <p>In some cases, string_dv and code_string may have the same content.</p>

Diagram	
Type	extension of mlhim2:DvStringType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvStringType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:AttestationType

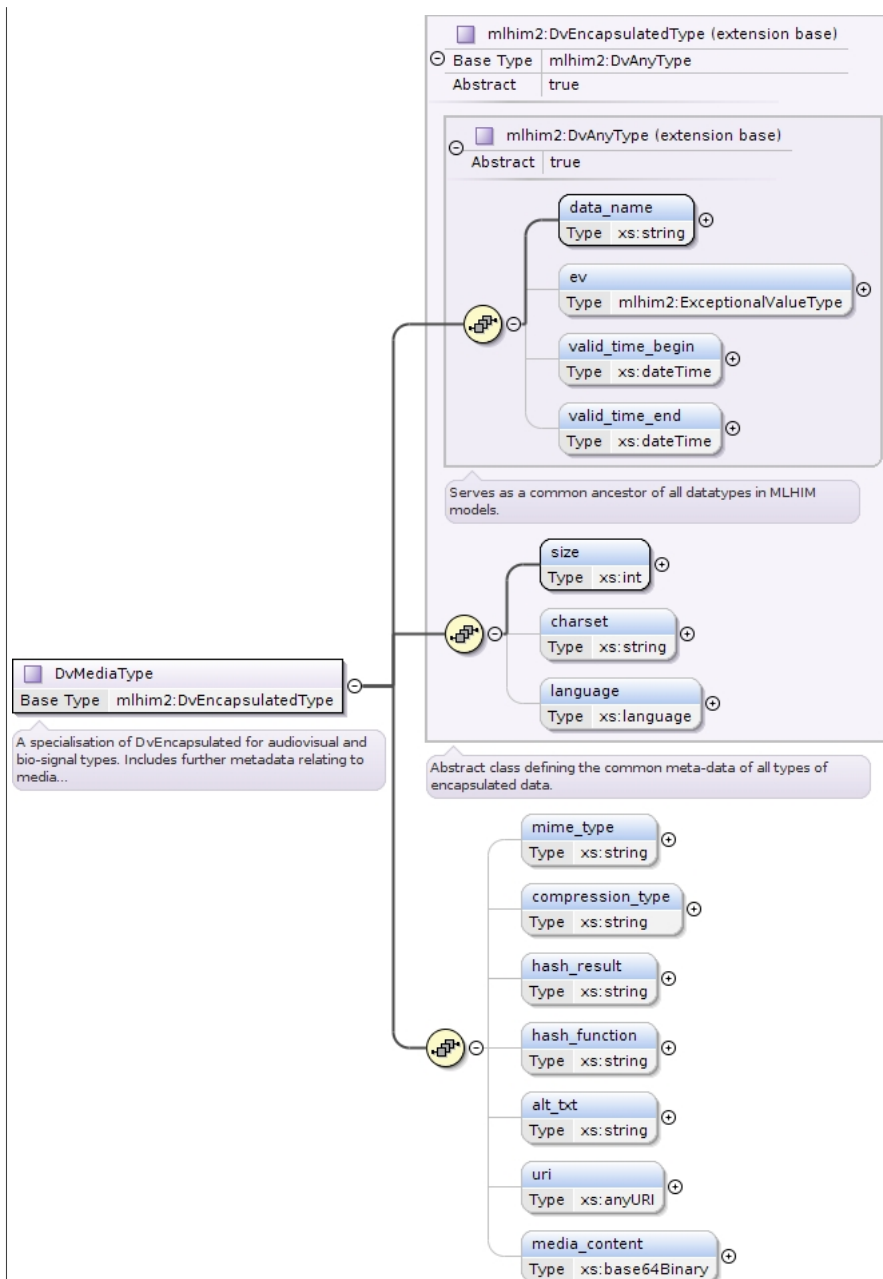
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	Record an attestation by a party of item(s) of record content. The type of attestation is recorded by the reason attribute, which may be coded.

Diagram	<p>mlhim2:AttestationType Base Type mlhim2:LocatableType</p> <p>Record an attestation by a party of item(s) of record content. The type of attestation is recorded by the reason...</p> <p>mlhim2:LocatableType (extension base) Abstract true</p> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>Elements and their types:</p> <ul style="list-style-type: none"> attested_view: mlhim2:DvMediaType proof: mlhim2:DvParsableType reason: mlhim2:DvCodedStringType committer: mlhim2:PartyProxyType time_committed: mlhim2:DvDateTimeType is_pending: xs:boolean
Type	extension of mlhim2:LocatableType
Type hierarchy	<ul style="list-style-type: none"> 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_committed, mlhim2:is_pending
Children	mlhim2:attested_view, mlhim2:committer, mlhim2:feeder_audit, mlhim2:is_pending, mlhim2:proof, mlhim2:reason, mlhim2:time_committed
Source	<pre> <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 may 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_committed" type="mlhim2:DvDateTimeType"/> </xs:sequence> <xs:element name="is_pending" type="xs:boolean"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

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 <code>mlhim2:DvEncapsulatedType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvEncapsulatedType</code> <ul style="list-style-type: none"> <code>mlhim2:DvMediaType</code>
Used by	Elements <code>mlhim2:AttestationType/mlhim2:attested_view</code> , <code>mlhim2:DvMedia</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:size</code> , <code>mlhim2:charset{0,1}</code> , <code>mlhim2:language{0,1}</code> , <code>mlhim2:mime_type{0,1}</code> , <code>mlhim2:compression_type{0,1}</code> , <code>mlhim2:hash_result{0,1}</code> , <code>mlhim2:hash_function{0,1}</code> , <code>mlhim2:alt_txt{0,1}</code> , <code>mlhim2:uri{0,1}</code> , <code>mlhim2:media_content{0,1}</code>
Children	<code>mlhim2:alt_txt</code> , <code>mlhim2:charset</code> , <code>mlhim2:compression_type</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:hash_function</code> , <code>mlhim2:hash_result</code> , <code>mlhim2:language</code> , <code>mlhim2:media_content</code> , <code>mlhim2:mime_type</code> , <code>mlhim2:size</code> , <code>mlhim2:uri</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Source	<pre> <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> </pre>

```

<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

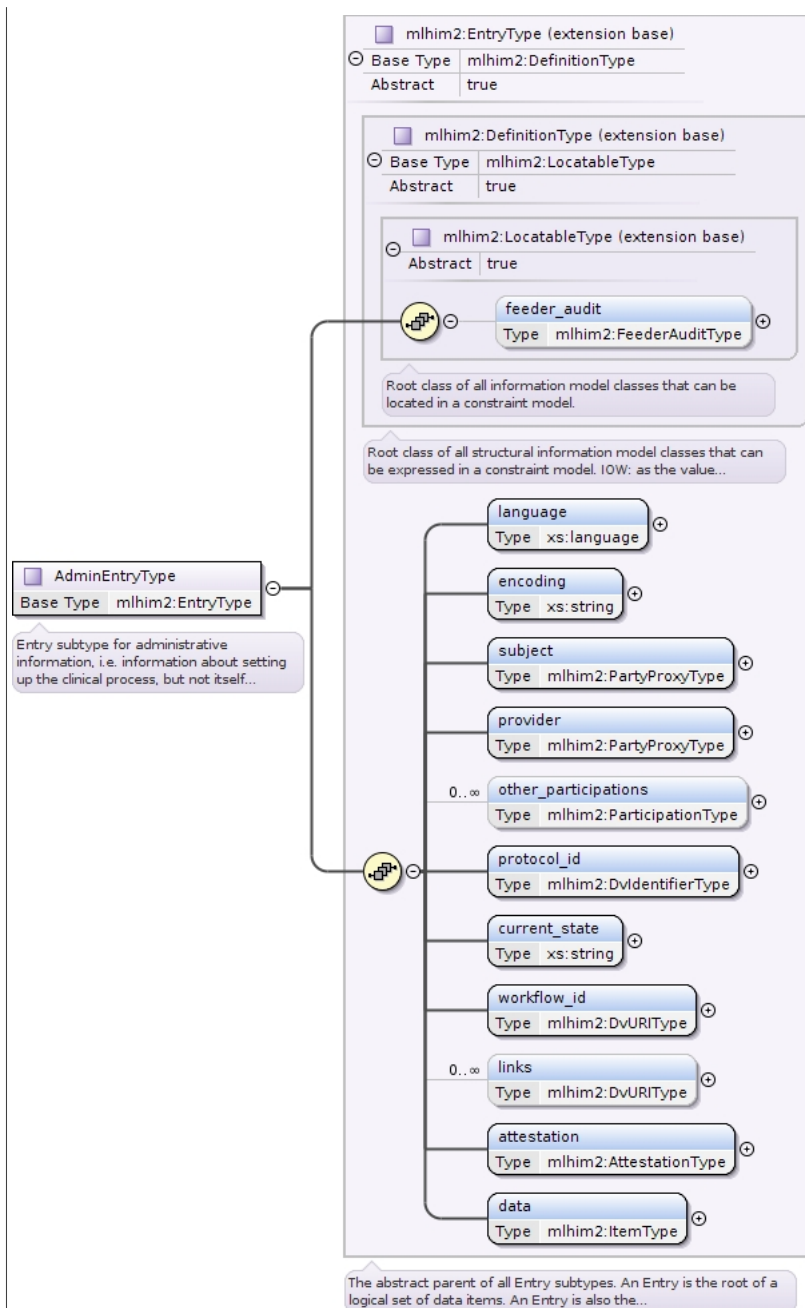
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	CareEntry defines protocol and guideline attributes for all clinical entries.
Diagram	<p>The diagram illustrates the structure of the mlhim2:CareEntryType complex type. It is an extension of mlhim2:EntryType, which is an extension of mlhim2:DefinitionType, which in turn extends mlhim2:LocatableType. The mlhim2:LocatableType is an abstract base type with a feeder_audit element of type mlhim2:FeederAuditType. The mlhim2:EntryType is the root class of all information model classes that can be located in a constraint model. The mlhim2:DefinitionType is the root class of all structural information model classes that can be expressed in a constraint model. The mlhim2:CareEntryType is the abstract parent of all Entry subtypes. An Entry is the root of a logical set of data items. An Entry is also the...</p> <p>The mlhim2:CareEntryType complex type contains the following elements:</p> <ul style="list-style-type: none"> language (Type: xs:language) encoding (Type: xs:string) subject (Type: mlhim2:PartyProxyType) provider (Type: mlhim2:PartyProxyType) other_participations (Type: mlhim2:ParticipationType, multiplicity: 0..∞) protocol_id (Type: mlhim2:DvIdentifierType) current_state (Type: xs:string) workflow_id (Type: mlhim2:DvURIType) links (Type: mlhim2:DvURIType, multiplicity: 0..∞) attestation (Type: mlhim2:AttestationType) data (Type: mlhim2:ItemType)
Type	extension of mlhim2:EntryType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType

	<ul style="list-style-type: none"> • 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	<pre> <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> </pre>

Complex Type mlhim2:AdminEntryType

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

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 contained information. Used for administrative 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	<p>mlhim2:DemographicEntryType (extension base)</p> <ul style="list-style-type: none"> Base Type: mlhim2:EntryType Abstract: true <p>mlhim2:EntryType (extension base)</p> <ul style="list-style-type: none"> Base Type: mlhim2:DefinitionType Abstract: true <p>mlhim2:DefinitionType (extension base)</p> <ul style="list-style-type: none"> Base Type: mlhim2:LocatableType Abstract: true <p>mlhim2:LocatableType (extension base)</p> <ul style="list-style-type: none"> Base Type: mlhim2:LocatableType Abstract: true <p>feeder_audit (Type: mlhim2:FeederAuditType)</p> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>Root class of all structural information model classes that can be expressed in a constraint model. IOW: as the value...</p> <p>language (Type: xs:string)</p> <p>encoding (Type: xs:string)</p> <p>subject (Type: mlhim2:PartyProxyType)</p> <p>provider (Type: mlhim2:PartyProxyType)</p> <p>other_participations (0..∞) (Type: mlhim2:ParticipationType)</p> <p>protocol_id (Type: mlhim2:DvIdentifierType)</p> <p>current_state (Type: xs:string)</p> <p>workflow_id (Type: mlhim2:DvURIType)</p> <p>links (0..∞) (Type: mlhim2:DvURIType)</p> <p>attestation (Type: mlhim2:AttestationType)</p> <p>data (Type: mlhim2:ItemType)</p> <p>The abstract parent of all Entry subtypes. An Entry is the root of a logical set of data items. An Entry is also the...</p>
Type	extension of mlhim2:EntryType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType mlhim2:DefinitionType mlhim2:EntryType

	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

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	<pre> classDiagram class ClusterType { Base Type mlhim2:ItemType } class ItemType { Base Type mlhim2:DefinitionType } class DefinitionType { Base Type mlhim2:LocatableType } class LocatableType { Base Type mlhim2:FeederAuditType } ClusterType --> ItemType : 1..∞ items ClusterType --> String : subject ItemType --> DefinitionType DefinitionType --> LocatableType </pre> <p>The diagram illustrates the structure of the ClusterType complex type. It is an extension of mlhim2:ItemType. The ClusterType contains two elements: items (a list of mlhim2:ItemType instances, cardinality 1..∞) and subject (an xs:string instance). The inheritance hierarchy is as follows: mlhim2:ClusterType (Base Type: mlhim2:ItemType) extends mlhim2:ItemType (Base Type: mlhim2:DefinitionType), which extends mlhim2:DefinitionType (Base Type: mlhim2:LocatableType), which extends mlhim2:LocatableType (Base Type: mlhim2:FeederAuditType). Annotations describe the roles of these types in the information model.</p>
Type	extension of mlhim2:ItemType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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:annotation> </pre>

```

</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	<p>The diagram illustrates the type hierarchy for mlhim2:ElementType. It is an extension of mlhim2:ItemType. The hierarchy includes mlhim2:DefinitionType (extension base of mlhim2:LocatableType), mlhim2:LocatableType (extension base of mlhim2:DefinitionType), mlhim2:FeederAuditType (extension base of mlhim2:LocatableType), and mlhim2:Element_dv (extension base of mlhim2:FeederAuditType). The diagram also shows the relationship between mlhim2:ElementType and mlhim2:Item.</p>
Type	extension of mlhim2:ItemType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

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	<p>PartySelfType Base Type: mlhim2:PartyProxyType Party proxy representing the subject of the record. May or may not have external_ref set. But external_ref usually...</p> <p>mlhim2:PartyProxyType (extension base) Base Type: mlhim2:LocatableType Abstract: true</p> <p>mlhim2:LocatableType (extension base) Abstract: true</p> <p>feeder_audit Type: mlhim2:FeederAuditType</p> <p>Root class of all information model classes that can be located in a constraint model.</p> <p>external_ref Type: mlhim2:DvURIType</p> <p>Abstract concept of a proxy description of a party, including an optional link to data for this party in a demographic...</p>
Type	extension of mlhim2:PartyProxyType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:LocatableType <ul style="list-style-type: none"> mlhim2:PartyProxyType <ul style="list-style-type: none"> mlhim2:PartySelfType
Used by	Element mlhim2:PartySelf
Model	mlhim2:feeder_audit{0,1} , mlhim2:external_ref
Children	mlhim2:external_ref, mlhim2:feeder_audit
Source	<pre> <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> </pre>

Complex Type mlhim2:NIType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>NIType Base Type: mlhim2:ExceptionalValueType</p> <p>mlhim2:ExceptionalValueType (extension base) Abstract: true</p> <p>ev_name Type: xs:string Fixed: Exceptional Value</p> <p>ev_meaning Type: xs:string Fixed: The value is somehow outside the bounds of what was expected</p> <p>Subclasses are used to indicate why a value is missing (null) or is outside a measurable range.</p> <p>ev_name Type: xs:string Fixed: No information</p> <p>ev_meaning Type: xs:string 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.</p>
Type	extension of mlhim2:ExceptionalValueType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType
Used by	<p>Element mlhim2:NI</p> <p>Complex Types mlhim2:INVType, mlhim2:MSKType, mlhim2:NAType, mlhim2:UNKType</p>
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="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> </pre>

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

Complex Type `mlhim2:NAType`

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of <code>mlhim2:NIType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:ExceptionalValueType</code> <ul style="list-style-type: none"> <code>mlhim2:NIType</code> <ul style="list-style-type: none"> <code>mlhim2:NAType</code>
Used by	Element <code>mlhim2:NA</code>
Model	<code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code> , <code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code> , <code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code>
Children	<code>mlhim2:ev_meaning</code> , <code>mlhim2:ev_name</code>
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 cigarettes 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 <code>mlhim2:NIType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:ExceptionalValueType</code> <ul style="list-style-type: none"> <code>mlhim2:NIType</code> <ul style="list-style-type: none"> <code>mlhim2:INVType</code>
Used by	<div>Element <code>mlhim2:INV</code></div> <div>Complex Types <code>mlhim2:DERType</code> , <code>mlhim2:OTHTType</code> , <code>mlhim2:UNCType</code></div>
Model	<code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code> , <code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code> , <code>mlhim2:ev_name</code> , <code>mlhim2:ev_meaning</code>

Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<pre> <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> </pre>

Complex Type mlhim2:UNKType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	extension of mlhim2:NIType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:UNKType 				
Used by	<table border="1"> <tr> <td>Element</td> <td>mlhim2:UNK</td> </tr> <tr> <td>Complex Types</td> <td>mlhim2:ASKRType, mlhim2:ASKUType, mlhim2:NASKType, mlhim2:QSType, mlhim2:TRCType</td> </tr> </table>	Element	mlhim2:UNK	Complex Types	mlhim2:ASKRType, mlhim2:ASKUType, mlhim2:NASKType, mlhim2:QSType, mlhim2:TRCType
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	<pre> <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> </pre>				

Complex Type mlhim2:MSKType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:NIType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:UNCTYPE

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the structure of the UNCTYPE complex type. It is defined as an extension of the INVTType. The UNCTYPE type contains a sequence of two elements: ev_name and ev_meaning. The ev_name element is of type xs:string and is fixed to the value 'Unencoded'. The ev_meaning element is of type xs:string and is fixed to the value 'No attempt has been made to encode the information correctly but the raw source information is represented, usually in free text'. The diagram also shows the inheritance hierarchy, with UNCTYPE extending INVTType, which in turn extends ExceptionalValueType. ExceptionalValueType has several subclasses, each with its own fixed values for ev_name and ev_meaning.</p>
Type	extension of mlhim2:INVTType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:INVTType <ul style="list-style-type: none"> 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	<pre> <xs:complexType name="UNCTYPE"> <xs:complexContent> <xs:extension base="mlhim2:INVTType"> <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> </pre>

Complex Type mlhim2:DERTYPE

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	extension of mlhim2:INVType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:OTHType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:INVType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType mlhim2:NIType mlhim2:INVType mlhim2:OTHType

Used by	Element mlhim2:OTH
	Complex Types mlhim2:NINFTType, mlhim2:PINFTType
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	<pre> <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> </pre>

Complex Type mlhim2:PINFTType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<pre> classDiagram class mlhim2_OTHType { <<abstract>> +ev_name: xs:string +ev_meaning: xs:string } class mlhim2_INVType { +ev_name: xs:string +ev_meaning: xs:string } class mlhim2_NINFTType { +ev_name: xs:string +ev_meaning: xs:string } class mlhim2_PINFTType { +ev_name: xs:string +ev_meaning: xs:string } class mlhim2_ExceptionalValueType { <<abstract>> +ev_name: xs:string +ev_meaning: xs:string } mlhim2_OTHType < -- mlhim2_INVType mlhim2_OTHType < -- mlhim2_NINFTType mlhim2_OTHType < -- mlhim2_PINFTType mlhim2_ExceptionalValueType < -- mlhim2_INVType mlhim2_ExceptionalValueType < -- mlhim2_NINFTType mlhim2_ExceptionalValueType < -- mlhim2_PINFTType </pre>
Type	extension of mlhim2:OTHType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NINFTType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:OTHType <ul style="list-style-type: none"> mlhim2:PINFTType
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
Children	mlhim2:ev_meaning, mlhim2:ev_name
Source	<pre> <xs:complexType name="PINFTType"> <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> </pre>

Complex Type mlhim2:NINFType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:OTHType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:INVType <ul style="list-style-type: none"> mlhim2:OTHType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:TRCType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> mlhim2:TRCType
Used by	
Model	
Children	
Source	

Type	extension of mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:QSType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NIType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type **mlhim2:ASKUType**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0				
Diagram					
Type	extension of mlhim2:UNKType				
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:UNKType <ul style="list-style-type: none"> mlhim2:ASKUType 				
Used by	<table border="1"> <tr> <td>Element</td> <td>mlhim2:ASKU</td> </tr> <tr> <td>Complex Type</td> <td>mlhim2:NAVType</td> </tr> </table>	Element	mlhim2:ASKU	Complex Type	mlhim2:NAVType
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	<pre> <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> </pre>				

Complex Type **mlhim2:ASKRType**

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:ASKRType

	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:NASKType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:UNKType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:NAVType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
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Diagram	
Type	extension of mlhim2:ASKUType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> mlhim2:NType <ul style="list-style-type: none"> mlhim2:ASKUType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:DvBooleanType

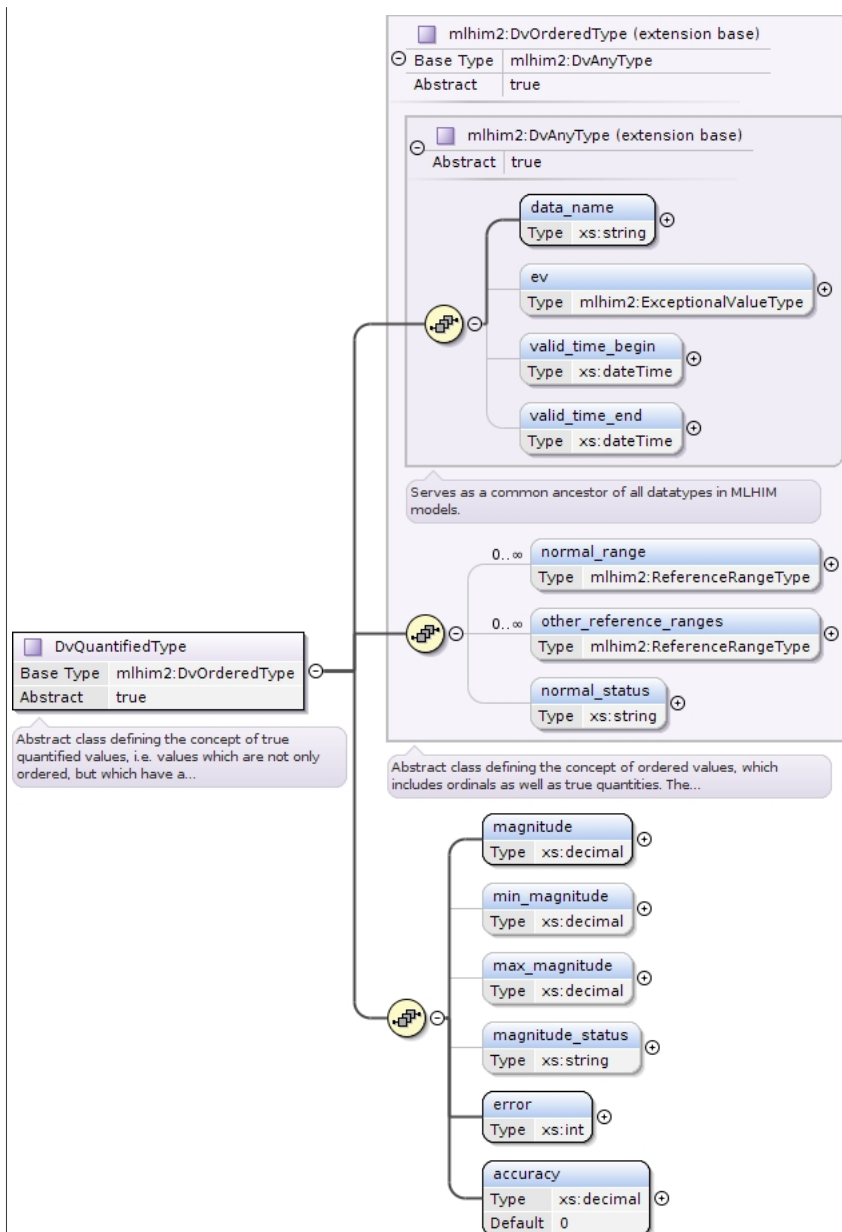
Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>Items which represent boolean decisions, such as true/false or yes/no answers. Use for such data, it is important to devise the meanings (usually questions in subjective data) carefully, so that the only allowed results are in fact true or false.</p> <p>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.</p> <p>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.</p>

Diagram	<p>The diagram illustrates the structure of the <code>mlhim2:DvBooleanType</code> complex type. It is an abstract class that extends <code>mlhim2:DvAnyType</code>. The <code>mlhim2:DvAnyType</code> base type is shown as a container for several elements: <code>data_name</code> (Type: <code>xs:string</code>), <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>), <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>), and <code>valid_time_end</code> (Type: <code>xs:dateTime</code>). The <code>mlhim2:DvBooleanType</code> extension adds three more elements: <code>valid_trues</code> (Type: <code>xs:string</code>), <code>valid_falses</code> (Type: <code>xs:string</code>), and <code>DvBoolean_dv</code> (Type: <code>xs:string</code>). A note indicates that <code>mlhim2:DvAnyType</code> serves as a common ancestor for all datatypes in MLHIM models.</p>
Type	extension of <code>mlhim2:DvAnyType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <code>mlhim2:DvBooleanType</code>
Used by	Element <code>mlhim2:DvBoolean</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:valid_trues*</code> , <code>mlhim2:valid_falses*</code> , <code>mlhim2:DvBoolean_dv{0,1}</code>
Children	<code>mlhim2:DvBoolean_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:valid_falses</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code> , <code>mlhim2:valid_trues</code>
Source	<pre> <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> </pre>

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



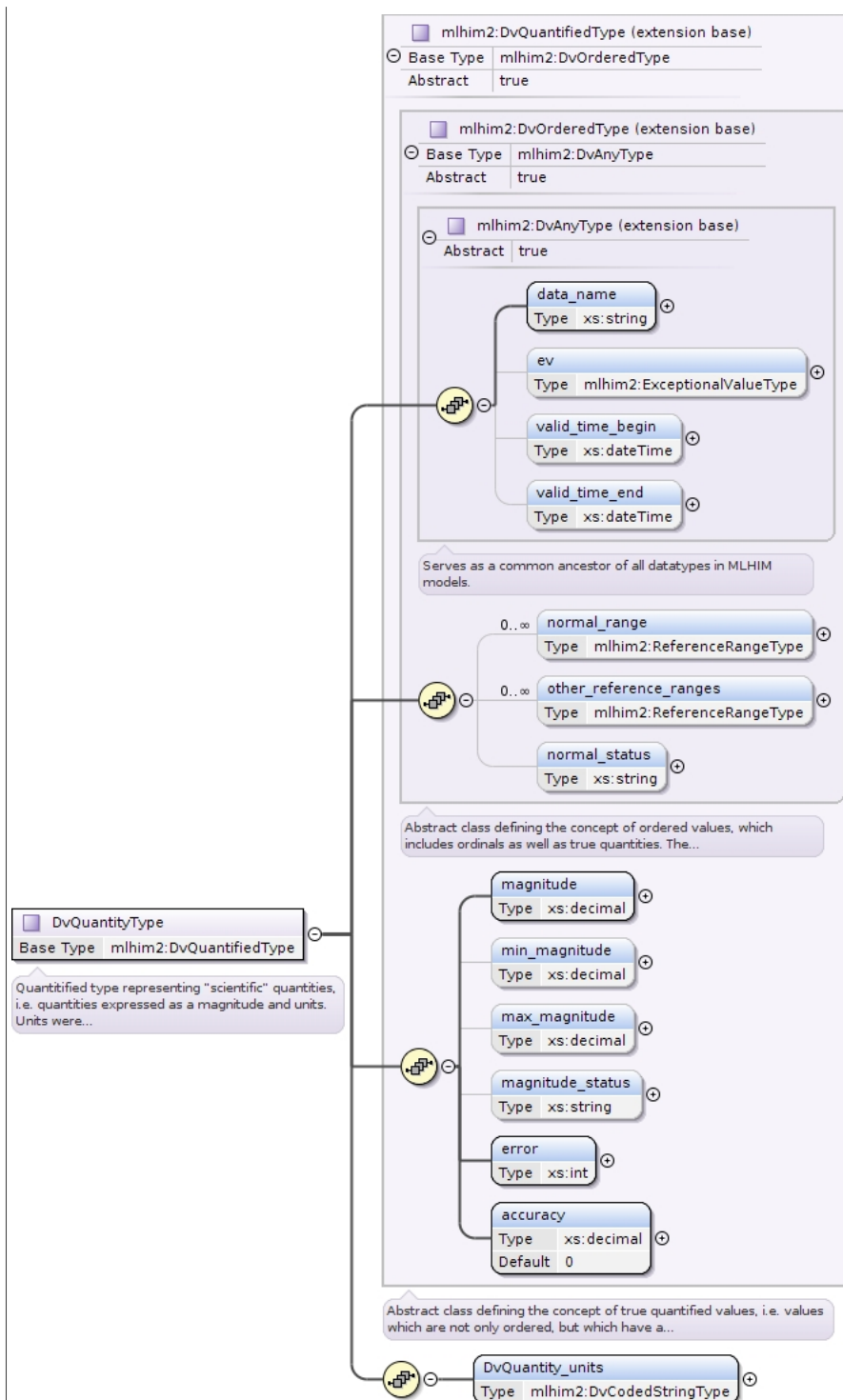
Type	extension of <code>mlhim2:DvOrderedType</code>				
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvOrderedType</code> <ul style="list-style-type: none"> <code>mlhim2:DvQuantifiedType</code> 				
Properties	abstract: <code>true</code>				
Used by	<table border="1"> <tr> <td>Element</td><td><code>mlhim2:DvQuantified</code></td></tr> <tr> <td>Complex Types</td><td><code>mlhim2:DvCountType</code>, <code>mlhim2:DvQuantityType</code>, <code>mlhim2:DvRatioType</code></td></tr> </table>	Element	<code>mlhim2:DvQuantified</code>	Complex Types	<code>mlhim2:DvCountType</code> , <code>mlhim2:DvQuantityType</code> , <code>mlhim2:DvRatioType</code>
Element	<code>mlhim2:DvQuantified</code>				
Complex Types	<code>mlhim2:DvCountType</code> , <code>mlhim2:DvQuantityType</code> , <code>mlhim2:DvRatioType</code>				
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:normal_range*</code> , <code>mlhim2:other_reference_ranges*</code> , <code>mlhim2:normal_status{0,1}</code> , <code>mlhim2:magnitude</code> , <code>mlhim2:min_magnitude{0,1}</code> , <code>mlhim2:max_magnitude{0,1}</code> , <code>mlhim2:magnitude_status{0,1}</code> , <code>mlhim2:error</code> , <code>mlhim2:accuracy</code>				
Children	<code>mlhim2:accuracy</code> , <code>mlhim2:data_name</code> , <code>mlhim2:error</code> , <code>mlhim2:ev</code> , <code>mlhim2:magnitude</code> , <code>mlhim2:magnitude_status</code> , <code>mlhim2:max_magnitude</code> , <code>mlhim2:min_magnitude</code> , <code>mlhim2:normal_range</code> , <code>mlhim2:normal_status</code> , <code>mlhim2:other_reference_ranges</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>				
Source	<pre><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></pre>				

```
<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	<p>Quantitified type representing "scientific" quantities, i.e. quantities expressed as a magnitude and units.</p> <p>Units were inspired by the Unified Code for Units of Measure (UCUM), developed by Gunther Schadow and Clement J. McDonald of The Regenstrief Institute.</p> <p>http://unitsofmeasure.org/</p> <p>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.</p>

Diagram



Type extension of mlhim2:DvQuantifiedType

Type hierarchy

- mlhim2:DvAnyType
 - mlhim2:DvOrderedType
 - mlhim2:DvQuantifiedType
 - mlhim2:DvQuantityType

Used by Element mlhim2:DvQuantity

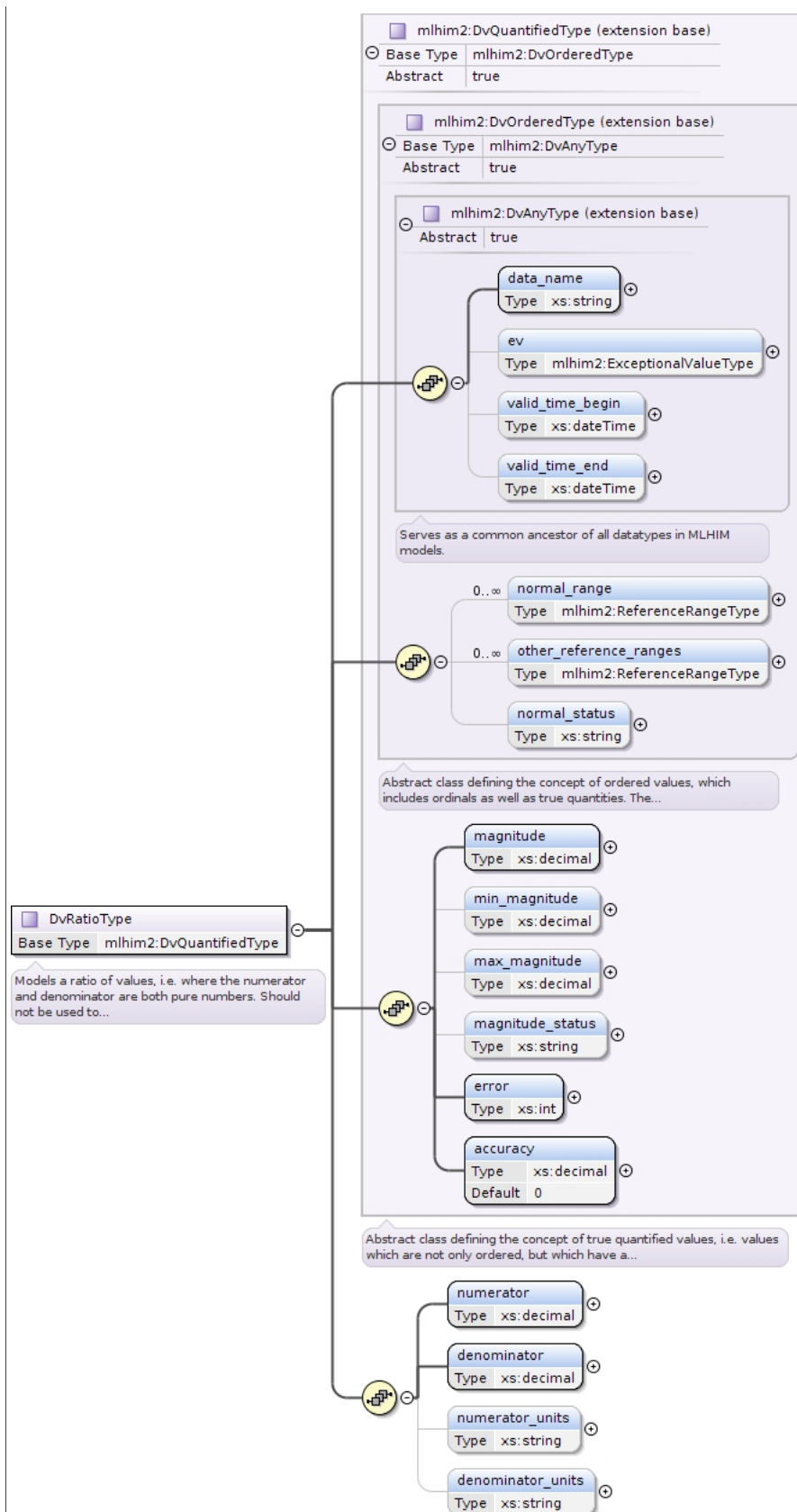
Model mlhim2:data_name , mlhim2:ev{0,1} , mlhim2:valid_time_begin{0,1} , mlhim2:valid_time_end{0,1} , mlhim2:normal_range* , mlhim2:other_reference_ranges* , mlhim2:normal_status{0,1} , mlhim2:magnitude , mlhim2:min_magnitude{0,1} , mlhim2:max_magnitude{0,1} , mlhim2:magnitude_status{0,1} , mlhim2:error , 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	<pre> <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> </pre>

Complex Type mlhim2:DvRatioType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>Models a ratio of values, i.e. where the numerator and denominator are both pure numbers.</p> <p>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.</p> <p>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).</p> <p>Should not be used for formulations.</p>

Diagram



Type: extension of mlhim2:DvQuantifiedType

Type hierarchy:

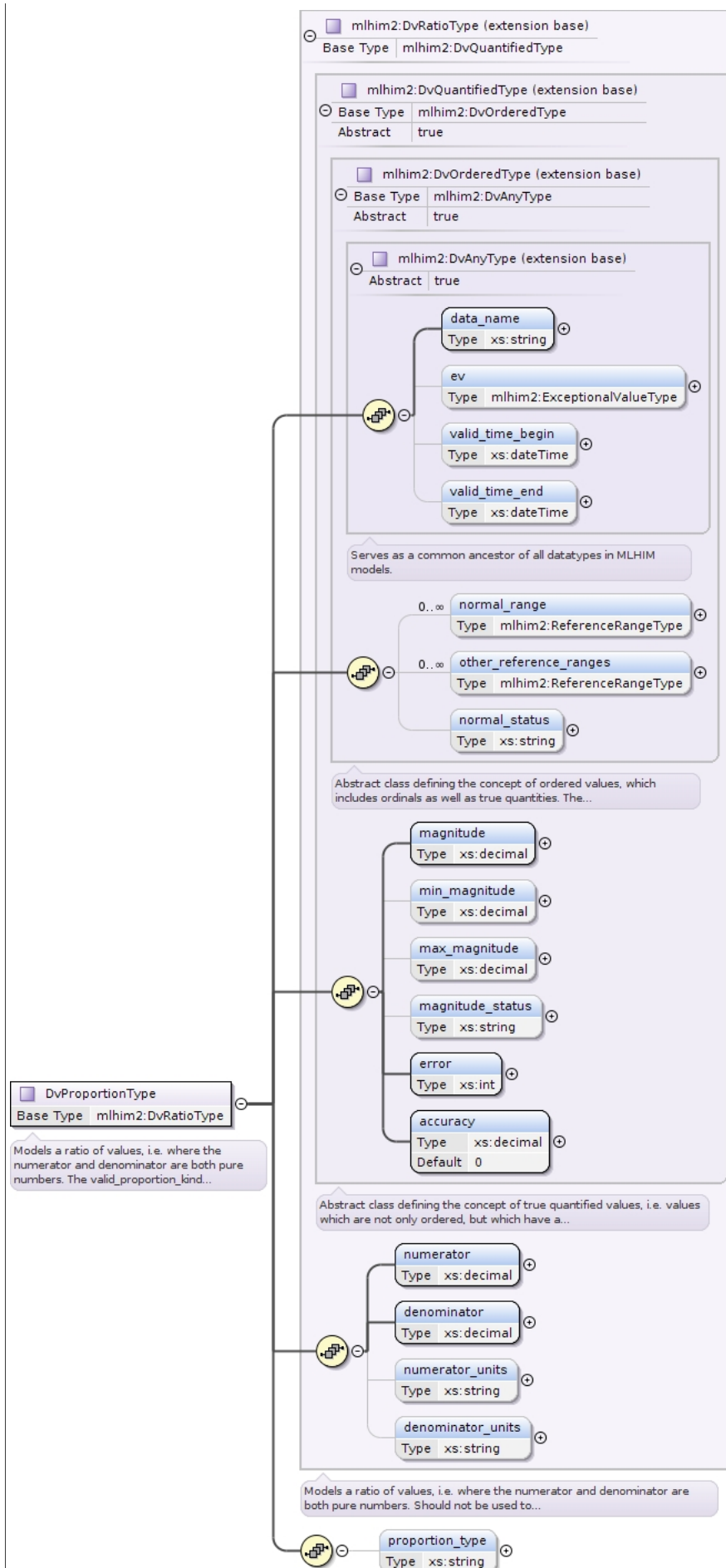
- mlhim2:DvAnyType
 - mlhim2:DvOrderedType
 - mlhim2:DvQuantifiedType

	<ul style="list-style-type: none"> • 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	<pre> <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> </pre>

Complex Type mlhim2:DvProportionType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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 distribution width (RDW).</p> <p>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).</p> <p>Should not be used for formulations.</p>

Diagram

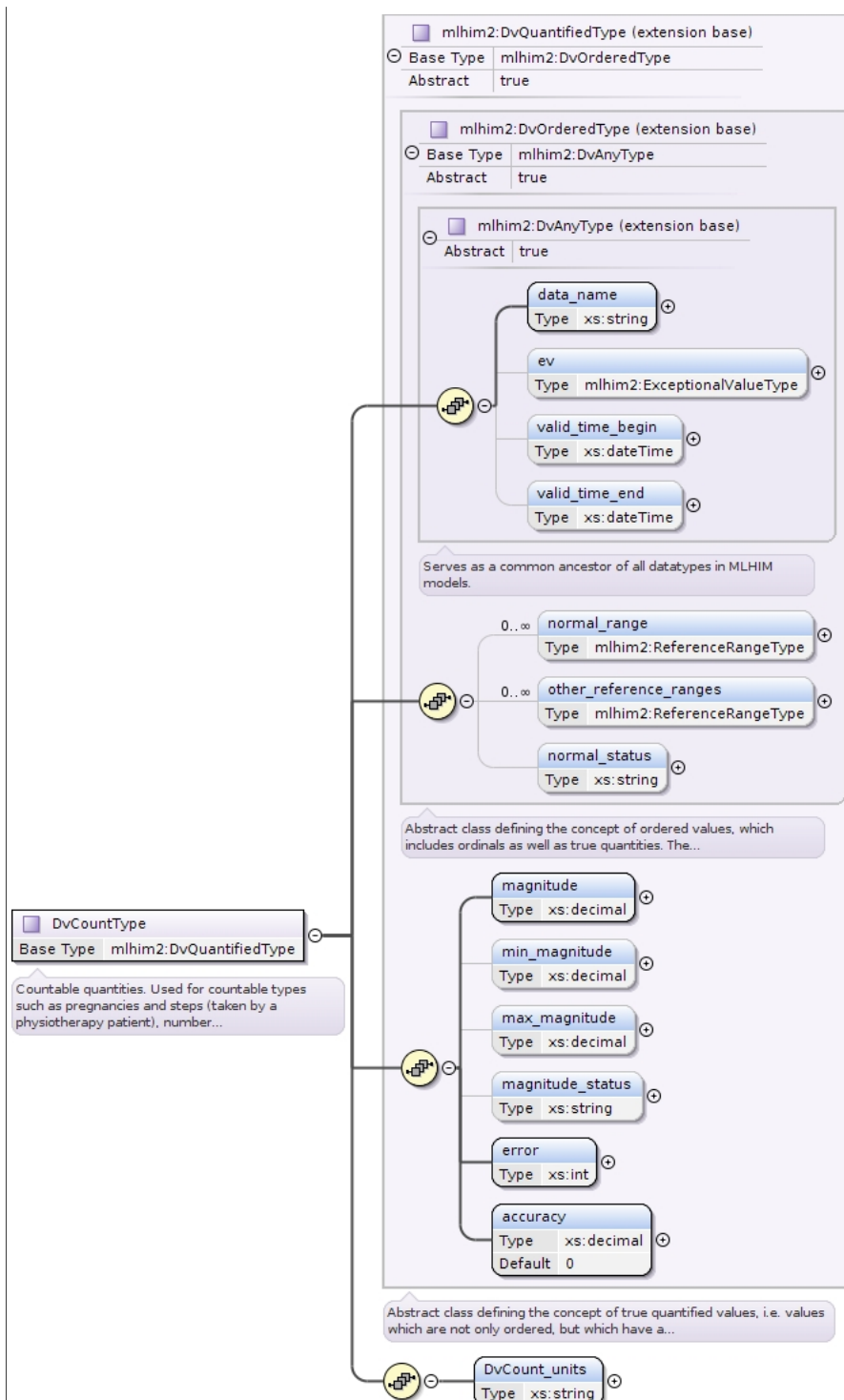


Type	extension of mlhim2:DvRatioType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType <ul style="list-style-type: none"> mlhim2:DvRatioType <ul style="list-style-type: none"> 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	<pre> <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 distribution 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> </pre>

Complex Type mlhim2:DvCountType

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

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	<pre> <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> </pre>

Complex Type mlhim2:DvDateType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>The date data type is used to specify a date.</p> <p>The date is specified in the following form "YYYY-MM-DD" where:</p> <p>YYYY indicates the year MM indicates the month DD indicates the day</p>
Diagram	<p>The diagram illustrates the hierarchy of the DvDateType complex type. It is an extension of mlhim2:DvTemporalType, which is an extension of mlhim2:DvOrderedType, which is an extension of mlhim2:DvAnyType. The diagram shows the inheritance chain and the specific elements and attributes of each type.</p> <ul style="list-style-type: none"> mlhim2:DvTemporalType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvOrderedType Abstract: true mlhim2:DvOrderedType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvAnyType Abstract: true mlhim2:DvAnyType (extension base) <ul style="list-style-type: none"> Abstract: true Elements: <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) Annotations: <ul style="list-style-type: none"> Serves as a common ancestor of all datatypes in MLHIM models. DvDateType <ul style="list-style-type: none"> Base Type: mlhim2:DvTemporalType Annotations: <ul style="list-style-type: none"> The date data type is used to specify a date. The date is specified in the following form "YYYY-MM-DD" where: YYYY... DvDate_dv <ul style="list-style-type: none"> Type: xs:date Annotations: <ul style="list-style-type: none"> Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... Abstract class defining the concept of date and time types.
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType mlhim2:DvOrderedType mlhim2:DvTemporalType DvDateType

	<ul style="list-style-type: none"> • 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	<pre> <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> </pre>

Complex Type mlhim2:DvDayType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> • mlhim2:DvAnyType • mlhim2:DvOrderedType

	<ul style="list-style-type: none"> • 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	<pre> <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> </pre>

Complex Type mlhim2:DvMonthType

Namespace	http://www.mlhim.org/xm1s/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the structure and relationships of the DvMonthType complex type. It is an extension of mlhim2:DvTemporalType. The hierarchy is as follows:</p> <ul style="list-style-type: none"> mlhim2:DvTemporalType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvOrderedType <ul style="list-style-type: none"> Abstract: true Base Type: mlhim2:DvAnyType <ul style="list-style-type: none"> Abstract: true Elements: <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) normal_range (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) other_reference_ranges (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) normal_status (Type: xs:string) <p>DvMonthType (Base Type: mlhim2:DvTemporalType) is an extension of DvTemporalType. It includes the DvMonth_dv element (Type: xs:gMonth).</p> <p>Serves as a common ancestor of all datatypes in MLHIM models.</p> <p>Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The...</p> <p>Abstract class defining the concept of date and time types.</p>
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> • 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	<pre> <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> </pre>

Complex Type mlhim2:DvYearType

Namespace	http://www.mlhim.org/xmles/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the structure of the DvYearType complex type. It is an extension of the mlhim2:DvTemporalType base type. The DvYearType contains the following elements:</p> <ul style="list-style-type: none"> data_name: Type xs:string ev: Type mlhim2:ExceptionalValueType valid_time_begin: Type xs:dateTime valid_time_end: Type xs:dateTime normal_range: Multiplicity 0..∞, Type mlhim2:ReferenceRangeType other_reference_ranges: Multiplicity 0..∞, Type mlhim2:ReferenceRangeType normal_status: Type xs:string DvYear_dv: Type xs:gYear <p>Annotations in the diagram include:</p> <ul style="list-style-type: none"> "Serves as a common ancestor of all datatypes in MLHIM models." (pointing to the mlhim2:DvAnyType base type) "Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The..." (pointing to the mlhim2:DvOrderedType base type) "Abstract class defining the concept of date and time types." (pointing to the mlhim2:DvTemporalType base type)
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:DvYearMonthType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Diagram	<p>The diagram illustrates the type hierarchy and structure of mlhim2:DvYearMonthType:</p> <ul style="list-style-type: none"> mlhim2:DvTemporalType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvOrderedType Abstract: true mlhim2:DvOrderedType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvAnyType Abstract: true mlhim2:DvAnyType (extension base) <ul style="list-style-type: none"> Abstract: true Elements: <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) Annotation: "Serves as a common ancestor of all datatypes in MLHIM models." DvYearMonthType <ul style="list-style-type: none"> Base Type: mlhim2:DvTemporalType Elements (inherited from DvAnyType): <ul style="list-style-type: none"> normal_range (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) other_reference_ranges (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞) normal_status (Type: xs:string) Annotation: "Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The..." Annotation: "Abstract class defining the concept of date and time types." DvYearMonth_dv (Type: xs:gYearMonth)
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> 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	<pre> <xs:complexType name="DvYearMonthType"> </pre>

```

<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	<p>The diagram illustrates the structure of the DvMonthDayType complex type. It is an extension of mlhim2:DvTemporalType. The hierarchy is as follows:</p> <ul style="list-style-type: none"> mlhim2:DvTemporalType (extension base) <ul style="list-style-type: none"> Base Type: mlhim2:DvOrderedType <ul style="list-style-type: none"> Abstract: true Base Type: mlhim2:DvAnyType <ul style="list-style-type: none"> Abstract: true Elements: <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) DvMonthDayType (Base Type: mlhim2:DvTemporalType) <ul style="list-style-type: none"> Elements: <ul style="list-style-type: none"> normal_range (Type: mlhim2:ReferenceRangeType, 0..∞) other_reference_ranges (Type: mlhim2:ReferenceRangeType, 0..∞) normal_status (Type: xs:string) DvMonthDay_dv (Type: xs:gMonthDay) <p>Additional notes from the diagram:</p> <ul style="list-style-type: none"> Serves as a common ancestor of all datatypes in MLHIM models. Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... Abstract class defining the concept of date and time types.
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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> </pre>

```

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

```

Complex Type **mlhim2:DvOrdinalType**

Namespace	http://www.mlhim.org/xmlls/mlhim2/2_3_0
Annotations	<p>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:</p> <p>-3, -2, -1, 0, 1, 2, 3 -- reflex response values</p> <p>0, 1, 2 -- Apgar values</p> <p>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}.</p>
Diagram	<pre> classDiagram class mlhim2DvOrderedType["mlhim2:DvOrderedType (extension base)"] { Base Type mlhim2:DvAnyType Abstract true } class mlhim2DvAnyType["mlhim2:DvAnyType (extension base)"] { Abstract true data_name xs:string ev mlhim2:ExceptionalValueType valid_time_begin xs:dateTime valid_time_end xs:dateTime } class DvOrdinalType { Base Type mlhim2:DvOrderedType Models rankings and scores, e.g. pain, Apgar values, etc, where there is a) implied ordering, b) no implication that... } class DvOrdinal_dv { Type xs:int } class symbol { Type xs:string } class normal_range { Type mlhim2:ReferenceRangeType } class other_reference_ranges { Type mlhim2:ReferenceRangeType } class normal_status { Type xs:string } mlhim2DvOrderedType < -- DvOrdinalType mlhim2DvAnyType < -- mlhim2DvOrderedType DvOrdinalType < -- DvOrdinal_dv DvOrdinalType < -- symbol DvOrdinalType < -- normal_range DvOrdinalType < -- other_reference_ranges DvOrdinalType < -- normal_status </pre> <p>The diagram illustrates the structure of the mlhim2:DvOrdinalType complex type. It is an extension of mlhim2:DvOrderedType, which is itself an extension of mlhim2:DvAnyType. The mlhim2:DvAnyType base type is abstract and contains elements: data_name (Type: xs:string), ev (Type: mlhim2:ExceptionalValueType), valid_time_begin (Type: xs:dateTime), and valid_time_end (Type: xs:dateTime). A note indicates it serves as a common ancestor of all datatypes in MLHIM models. The mlhim2:DvOrderedType base type is also abstract and contains elements: normal_range (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞), other_reference_ranges (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞), and normal_status (Type: xs:string). A note indicates it is an abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The mlhim2:DvOrdinalType complex type is derived from mlhim2:DvOrderedType and contains elements: DvOrdinal_dv (Type: xs:int), symbol (Type: xs:string), normal_range (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞), other_reference_ranges (Type: mlhim2:ReferenceRangeType, multiplicity 0..∞), and normal_status (Type: xs:string). A note describes its use for modeling rankings and scores.</p>
Type	extension of mlhim2:DvOrderedType
Type hierarchy	<ul style="list-style-type: none"> 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	<pre> <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) </pre>

```

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}.
```

```

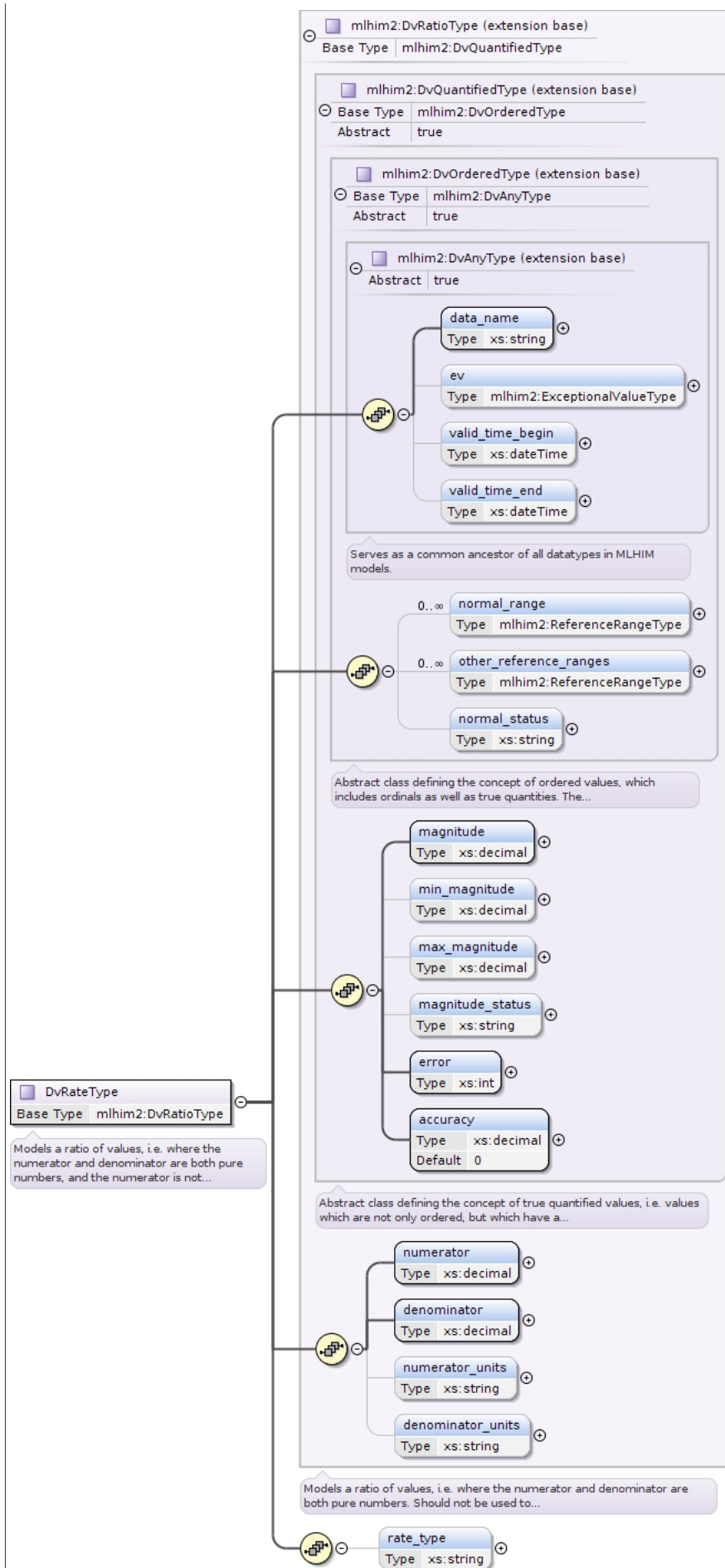
</xs:documentation>
</xs:annotation>
<xs:complexContent>
  <xs:extension base="mlhim2:DvOrderedType">
    <xs:sequence>
      <xs:element maxOccurs="1" minOccurs="1" name="DvOrdinal_dv" type="xs:int"/>
      <xs:element maxOccurs="1" minOccurs="1" name="symbol" type="xs:string"/>
    </xs:sequence>
  </xs:extension>
</xs:complexContent>
</xs:complexType>

```

Complex Type mlhim2:DvRateType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>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</p> <p>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.</p> <p>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.</p>

Diagram



Type	extension of mlhim2:DvRatioType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvQuantifiedType <ul style="list-style-type: none"> mlhim2:DvRatioType <ul style="list-style-type: none"> 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	<pre> <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> </pre>

Complex Type mlhim2:DvDurationType

Namespace	http://www.mlhim.org/xmls/mlhim2/2_3_0
Annotations	<p>The duration data type is used to specify a time interval.</p> <p>The time interval is specified in the following form "PnYnMnDThHnMnS" where:</p> <p>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</p>

Diagram	<p>The diagram illustrates the structure of the <code>DvDurationType</code> complex type. It is an extension of <code>mlhim2:DvTemporalType</code>. The <code>DvDurationType</code> contains the following elements in sequence:</p> <ul style="list-style-type: none"> <code>data_name</code> (Type: <code>xs:string</code>) <code>ev</code> (Type: <code>mlhim2:ExceptionalValueType</code>) <code>valid_time_begin</code> (Type: <code>xs:dateTime</code>) <code>valid_time_end</code> (Type: <code>xs:dateTime</code>) <code>normal_range</code> (Type: <code>mlhim2:ReferenceRangeType</code>) <code>other_reference_ranges</code> (Type: <code>mlhim2:ReferenceRangeType</code>) <code>normal_status</code> (Type: <code>xs:string</code>) <code>DvDuration_dv</code> (Type: <code>xs:duration</code>) <p>Annotations in the diagram include:</p> <ul style="list-style-type: none"> <code>mlhim2:DvTemporalType</code> (extension base) <code>Base Type</code> <code>mlhim2:DvOrderedType</code> <code>Abstract</code> <code>true</code> <code>mlhim2:DvOrderedType</code> (extension base) <code>Base Type</code> <code>mlhim2:DvAnyType</code> <code>Abstract</code> <code>true</code> <code>mlhim2:DvAnyType</code> (extension base) <code>Abstract</code> <code>true</code> Serves as a common ancestor of all datatypes in MLHIM models. Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... Abstract class defining the concept of date and time types.
Type	extension of <code>mlhim2:DvTemporalType</code>
Type hierarchy	<ul style="list-style-type: none"> <code>mlhim2:DvAnyType</code> <ul style="list-style-type: none"> <code>mlhim2:DvOrderedType</code> <ul style="list-style-type: none"> <code>mlhim2:DvTemporalType</code> <ul style="list-style-type: none"> <code>mlhim2:DvDurationType</code>
Model	<code>mlhim2:data_name</code> , <code>mlhim2:ev{0,1}</code> , <code>mlhim2:valid_time_begin{0,1}</code> , <code>mlhim2:valid_time_end{0,1}</code> , <code>mlhim2:normal_range*</code> , <code>mlhim2:other_reference_ranges*</code> , <code>mlhim2:normal_status{0,1}</code> , <code>mlhim2:DvDuration_dv</code>
Children	<code>mlhim2:DvDuration_dv</code> , <code>mlhim2:data_name</code> , <code>mlhim2:ev</code> , <code>mlhim2:normal_range</code> , <code>mlhim2:normal_status</code> , <code>mlhim2:other_reference_ranges</code> , <code>mlhim2:valid_time_begin</code> , <code>mlhim2:valid_time_end</code>
Source	<pre> <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 "PnYnMnDnHnMnS" 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> </pre>

Complex Type mlhim2:DvTimeType

Namespace	http://www.mlhim.org/xmlls/mlhim2/2_3_0
Annotations	<p>The time data type is used to specify a time.</p> <p>The time is specified in the following form "hh:mm:ss" where:</p> <p>hh indicates the hour mm indicates the minute ss indicates the second</p> <p>Note: All components are required!</p>
Diagram	<p>The diagram illustrates the structure of the DvTimeType complex type. It is an extension of mlhim2:DvTemporalType, which is an extension of mlhim2:DvOrderedType, which is an extension of mlhim2:DvAnyType. The DvTimeType is composed of the following elements:</p> <ul style="list-style-type: none"> data_name (Type: xs:string) ev (Type: mlhim2:ExceptionalValueType) valid_time_begin (Type: xs:dateTime) valid_time_end (Type: xs:dateTime) normal_range (Type: mlhim2:ReferenceRangeType, 0..∞) other_reference_ranges (Type: mlhim2:ReferenceRangeType, 0..∞) normal_status (Type: xs:string) DvTime_dv (Type: xs:time) <p>Annotations in the diagram:</p> <ul style="list-style-type: none"> mlhim2:DvTemporalType (extension base): Base Type mlhim2:DvOrderedType, Abstract true. mlhim2:DvOrderedType (extension base): Base Type mlhim2:DvAnyType, Abstract true. mlhim2:DvAnyType (extension base): Abstract true. Serves as a common ancestor of all datatypes in MLHIM models. (pointing to mlhim2:DvAnyType) Abstract class defining the concept of ordered values, which includes ordinals as well as true quantities. The... (pointing to mlhim2:DvOrderedType) Abstract class defining the concept of date and time types. (pointing to mlhim2:DvTemporalType)
Type	extension of mlhim2:DvTemporalType
Type hierarchy	<ul style="list-style-type: none"> mlhim2:DvAnyType <ul style="list-style-type: none"> mlhim2:DvOrderedType <ul style="list-style-type: none"> mlhim2:DvTemporalType <ul style="list-style-type: none"> 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	<pre> <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"> </pre>

```

<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	<ul style="list-style-type: none"> mlhim2:ExceptionalValueType <ul style="list-style-type: none"> 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>