CIMI RM Clinical v3.0.5

The CIMI Reference Model

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# **Introduction**

## **Purpose**

This document defines the formal specification of classes that comprise the CIMI reference model. This model is used to generate the CIMI Reference Model Basic Metamodel file (BMM).

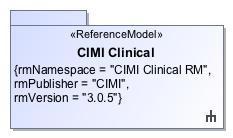
## **Scope**

This document is intended to be used as the normative specification of the CIMI Reference Model

## **Overview**

This document provides a list of all packages with a summary for each. Each package has a section that contains a list of its classes, interfaces and enumeration type, with a summary for each. Class and Interface contains description, summary tables, detailed member descriptions, and relation table.

# **Package CIMI Clinical**



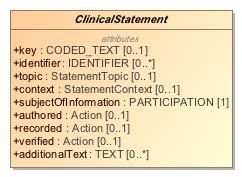
1. CIMI Clinical

|  |  |
| --- | --- |
| **Name** | CIMI Clinical |
| **Qualified Name** | CIMI Clinical |

# **Package CIMI Clinical::ClinicalStatement**

|  |  |
| --- | --- |
| **Name** | ClinicalStatement |
| **Qualified Name** | CIMI Clinical::ClinicalStatement |

## **Class** **ClinicalStatement**



1. ClinicalStatement

|  |  |
| --- | --- |
| **Name** | ClinicalStatement |
| **Qualified Name** | CIMI Clinical::ClinicalStatement::ClinicalStatement |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [ENTRY](#_c5ab0d8cbd3ee2001079525beee94ae1) |
| **Realized Interface** |  |

### **Attribute Detail**

#### additionalText

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### associatedWith

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### authored

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### context

|  |  |
| --- | --- |
| **Type** | StatementContext |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### key

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### recorded

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### subjectOfInformation

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### topic

|  |  |
| --- | --- |
| **Type** | StatementTopic |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### verified

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Assertion |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** |  |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Mapping |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * RelatedClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Mapping |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Provenance |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CompoundClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * IndivisibleClinicalStatement |

## **Class** **CompoundClinicalStatement**

1917427250.jpg

1. CompoundClinicalStatement

|  |  |
| --- | --- |
| **Name** | CompoundClinicalStatement |
| **Qualified Name** | CIMI Clinical::ClinicalStatement::CompoundClinicalStatement |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ClinicalStatement](#_93d5e4f631643683efb0adb6401295d8) * [COMPOUND\_ENTRY](#_ff4b9792f6fcae674629578eb0e74f76) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOUND\_ENTRY |

## **Class** **IndivisibleClinicalStatement**

269038031.jpg

1. IndivisibleClinicalStatement

|  |  |
| --- | --- |
| **Name** | IndivisibleClinicalStatement |
| **Qualified Name** | CIMI Clinical::ClinicalStatement::IndivisibleClinicalStatement |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ClinicalStatement](#_93d5e4f631643683efb0adb6401295d8) * [INDIVISIBLE\_ENTRY](#_74a9da9e0be75f3dda41e2bc74d5380e) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * INDIVISIBLE\_ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

# **Package CIMI Clinical::Data Structure**

|  |  |
| --- | --- |
| **Name** | Data Structure |
| **Qualified Name** | CIMI Clinical::Data Structure |

## **Class** **Absent**

2060831585.jpg

1. Absent

|  |  |
| --- | --- |
| **Name** | Absent |
| **Qualified Name** | CIMI Clinical::Data Structure::Absent |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PresenceAbsenceContext](#_60f7f5012ea782f44aee3fe4b45d207b) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PresenceAbsenceContext |

## **Class** **Act**

-518662276.jpg

1. Act

|  |  |
| --- | --- |
| **Name** | Act |
| **Qualified Name** | CIMI Clinical::Data Structure::Act |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [StatementTopic](#_8dacacae5133fd0eb69292f2aa802614) |
| **Realized Interface** |  |

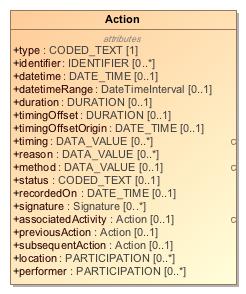
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Procedure |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementTopic |

## **Class** **Action**



1. Action

|  |  |
| --- | --- |
| **Name** | Action |
| **Qualified Name** | CIMI Clinical::Data Structure::Action |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### associatedActivity

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### datetime

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### datetimeRange

|  |  |
| --- | --- |
| **Type** | DateTimeInterval |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### duration

|  |  |
| --- | --- |
| **Type** | DURATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### location

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### method

This component captures what method used in Attribution models.   
   
For instance, in Verified, it captures how verification is achieved (verbal, written, telephone, etc.).

|  |  |
| --- | --- |
| **Type** | DATA\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | This component captures what method used in Attribution models.    For instance, in Verified, it captures how verification is achieved (verbal, written, telephone, etc.). |

#### performer

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### previousAction

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### reason

|  |  |
| --- | --- |
| **Type** | DATA\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### recordedOn

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### signature

|  |  |
| --- | --- |
| **Type** | Signature |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### subsequentAction

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### timing

|  |  |
| --- | --- |
| **Type** | DATA\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### timingOffset

|  |  |
| --- | --- |
| **Type** | DURATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### timingOffsetOrigin

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

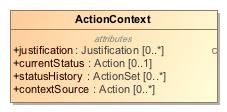
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Encounter |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * SpecimenCollection |

## **Class** **ActionContext**

The ActionContext class aligns with the SNOMED Situations with Explicit Context and provides the context for the topic of a clinical statement. For instance, a statement about a procedure may specify that the procedure has been proposed, ordered, planned, performed or possibly not performed. Note that the action context provides the expressivity required to specify that an act was not done. By default, the negation applies to the conjunction of the stated attribute in the instance.



1. ActionContext

|  |  |
| --- | --- |
| **Name** | ActionContext |
| **Qualified Name** | CIMI Clinical::Data Structure::ActionContext |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [StatementContext](#_67998ffe126a4278e53ab6c2ef0deea5) |
| **Realized Interface** |  |

### **Attribute Detail**

#### contextSource

The source for the context such as the who, what, when, where, how (e.g., origination mode) responsible for proposing, planning, ordering and authorizing, etc... Note that one may also use provenance if provenance information is preferred to be external to the resource.

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The source for the context such as the who, what, when, where, how (e.g., origination mode) responsible for proposing, planning, ordering and authorizing, etc... Note that one may also use provenance if provenance information is preferred to be external to the resource. |

#### currentStatus

The status of an action. It is expected that the range of values for statusCode (i.e., the value set) will vary by the subtypes of Action. For example, Proposal might have one of its status value as Declined.

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The status of an action. It is expected that the range of values for statusCode (i.e., the value set) will vary by the subtypes of Action. For example, Proposal might have one of its status value as Declined. |

#### justification

Reason or justification for the action. Reasons may also be specified for not performing an action.

|  |  |
| --- | --- |
| **Type** | Justification |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Reason or justification for the action. Reasons may also be specified for not performing an action. |

#### statusHistory

The past statuses of this action, e.g., an order may evolve from draft to placed to in progress to completed or canceled.

|  |  |
| --- | --- |
| **Type** | ActionSet |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The past statuses of this action, e.g., an order may evolve from draft to placed to in progress to completed or canceled. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementContext |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ProposedAgainst |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Ordered |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Proposed |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Performed |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Planned |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * NotPerformed |

## **Class** **ActionSet**



1. ActionSet

|  |  |
| --- | --- |
| **Name** | ActionSet |
| **Qualified Name** | CIMI Clinical::Data Structure::ActionSet |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### actions

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **ActorName**

800985597.jpg

1. ActorName

|  |  |
| --- | --- |
| **Name** | ActorName |
| **Qualified Name** | CIMI Clinical::Data Structure::ActorName |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [PartyName](#_d9a9cda473ae2ca1652ec2475c6d59a3) |
| **Realized Interface** |  |

### **Relation Detail**

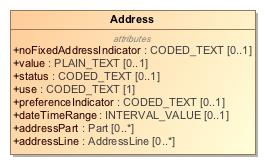
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * OrganizationName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PersonName |

## **Class** **Address**



1. Address

|  |  |
| --- | --- |
| **Name** | Address |
| **Qualified Name** | CIMI Clinical::Data Structure::Address |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### addressLine

|  |  |
| --- | --- |
| **Type** | AddressLine |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### addressPart

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### noFixedAddressIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### preferenceIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### use

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### value

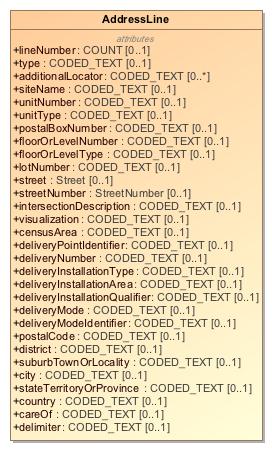
|  |  |
| --- | --- |
| **Type** | PLAIN\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **AddressLine**



1. AddressLine

|  |  |
| --- | --- |
| **Name** | AddressLine |
| **Qualified Name** | CIMI Clinical::Data Structure::AddressLine |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### additionalLocator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### careOf

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### censusArea

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### city

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### country

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### delimiter

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryInstallationArea

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryInstallationQualifier

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryInstallationType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryMode

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryModeIdentifier

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryNumber

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### deliveryPointIdentifier

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### district

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### floorOrLevelNumber

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### floorOrLevelType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### intersectionDescription

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### lineNumber

|  |  |
| --- | --- |
| **Type** | COUNT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### lotNumber

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### postalBoxNumber

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### postalCode

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### siteName

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### stateTerritoryOrProvince

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### street

|  |  |
| --- | --- |
| **Type** | Street |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### streetNumber

|  |  |
| --- | --- |
| **Type** | StreetNumber |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### suburbTownOrLocality

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### unitNumber

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### unitType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### visualization

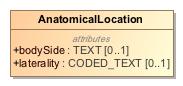
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **AnatomicalLocation**



1. AnatomicalLocation

|  |  |
| --- | --- |
| **Name** | AnatomicalLocation |
| **Qualified Name** | CIMI Clinical::Data Structure::AnatomicalLocation |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [MaterialEntity](#_2165fb9bbad8eb59d1b4740448a4c8ef) |
| **Realized Interface** |  |

### **Attribute Detail**

#### bodySide

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### laterality

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MaterialEntity |

## **Class** **Assertion**



1. Assertion

|  |  |
| --- | --- |
| **Name** | Assertion |
| **Qualified Name** | CIMI Clinical::Data Structure::Assertion |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Finding](#_62eae16aab7aa990087c2a950d1e9fa6) |
| **Realized Interface** |  |

### **Attribute Detail**

#### ageAtOnset

The age of the patient or subject at onset of the Condition. Note that this property could potentially be derived.

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The age of the patient or subject at onset of the Condition. Note that this property could potentially be derived. |

#### alleviatingFactor

AlleviatingFactor this CEM model captures the action or intervention which makes a symptom less prevalent. Examples of data from the value set may include: rest, heat, ice, etc.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | AlleviatingFactor this CEM model captures the action or intervention which makes a symptom less prevalent. Examples of data from the value set may include: rest, heat, ice, etc. |

#### associatedPrecondition

AssociatedPrecondition describes the previously existing conditions or states that could effect a measurement or assesment. For example; a patients weight taken while clothed, a patients height with or without shoes, a patients blood pressure taken while standing or lying down.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | AssociatedPrecondition describes the previously existing conditions or states that could effect a measurement or assesment. For example; a patients weight taken while clothed, a patients height with or without shoes, a patients blood pressure taken while standing or lying down. |

#### associatedSignAndSymptom

AssociatedSignAndSymptom is a component which captures the accompanying physical observations captured by a clinician or subjective conditions experienced by a patient that are related to a medical condition.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | AssociatedSignAndSymptom is a component which captures the accompanying physical observations captured by a clinician or subjective conditions experienced by a patient that are related to a medical condition. |

#### bodyLocation

This attribute specifies the body site affected by a condition.

|  |  |
| --- | --- |
| **Type** | AnatomicalLocation |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute specifies the body site affected by a condition. |

#### bodyLocationPrecoord

This attribute specifies the body site affected by a condition.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute specifies the body site affected by a condition. |

#### causativeAgent

This attribute identifies the direct causative agent of a disease. It does not include vectors, e.g. a mosquito that transmits malaria.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute identifies the direct causative agent of a disease. It does not include vectors, e.g. a mosquito that transmits malaria. |

#### clinicalCourse

This attribute is used to represent both the course and onset of a disease. Many conditions with an acute (sudden) onset also have an acute (short duration) course. Few diseases with a chronic (long - term) course would need to have their onset sub-divided into rapid or gradual subtypes, and thus there is no clear need for separating the rapidity of onset from the duration of a disease; based on testing by implementers and modelers, a single attribute with values that combine these meanings has clearly been more reproducible  
and useful than two attributes that attempt to separate the meanings.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | This attribute is used to represent both the course and onset of a disease. Many conditions with an acute (sudden) onset also have an acute (short duration) course. Few diseases with a chronic (long - term) course would need to have their onset sub-divided into rapid or gradual subtypes, and thus there is no clear need for separating the rapidity of onset from the duration of a disease; based on testing by implementers and modelers, a single attribute with values that combine these meanings has clearly been more reproducible and useful than two attributes that attempt to separate the meanings. |

#### clinicalStatus

Active  
Relapse  
Remission  
Resolved  
Confirmed,   
Error??  
Ruled out  
Unknown

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Active Relapse Remission Resolved Confirmed,  Error?? Ruled out Unknown |

#### dateAbated

Date, if known, when clinical finding abated.

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Date, if known, when clinical finding abated. |

#### dateOfOnset

Set of values bounded by low and high  
If present, low SHALL have a lower value than high

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Set of values bounded by low and high If present, low SHALL have a lower value than high |

#### diagnosisDate

Date and time the health problem was diagnosed. Added for Public Health Reporting Initiative, 10/5/2012.

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Date and time the health problem was diagnosed. Added for Public Health Reporting Initiative, 10/5/2012. |

#### diseasePhase

Incubation period (exposed, asymptomatic)  
Prodromal (symptoms but not full disease breakout)  
Acute (full manifestation of disease)  
Convalescent

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Incubation period (exposed, asymptomatic) Prodromal (symptoms but not full disease breakout) Acute (full manifestation of disease) Convalescent |

#### dueTo

This attribute is used to relate a |Clinical finding| directly to its cause. If a clinical finding merely predisposes to or worsens another disorder, rather than causing it directly, then the more general attribute | ASSOCIATED WITH | is used instead.

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute is used to relate a |Clinical finding| directly to its cause. If a clinical finding merely predisposes to or worsens another disorder, rather than causing it directly, then the more general attribute | ASSOCIATED WITH | is used instead. |

#### dueToCode

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### episodicity

|EPISODICITY| is used to represent episodes of care provided by a physician or other care provider, typically a general practitioner, not episodes of disease experienced by the patient. See EPISODICITY no longer modeled in active content (7.1), regarding the origin of the attribute. For example, asthma with |EPISODICITY|=|  
first episode | represents the first time the patient presents to their health care provider with asthma. EPISODICITY is not used to model any concepts pre-coordinated in the International Release but it can still be used in post-coordination as a qualifier.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | |EPISODICITY| is used to represent episodes of care provided by a physician or other care provider, typically a general practitioner, not episodes of disease experienced by the patient. See EPISODICITY no longer modeled in active content (7.1), regarding the origin of the attribute. For example, asthma with |EPISODICITY|=| first episode | represents the first time the patient presents to their health care provider with asthma. EPISODICITY is not used to model any concepts pre-coordinated in the International Release but it can still be used in post-coordination as a qualifier. |

#### exacerbatingFactor

ExacerbatingFactor model is a component model. This model holds a question in the code and holds a coded value (CD) answer from the value set referred to in data. For example, in the ExacerbatingFactor model the question is What is the exacerbating factor? and the coded answer from the ExacerbatingFactor VALUESET set can be activity, etc. ExacerbatingFactor by definition means an action, object, or something that makes a condition or problem worse.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | ExacerbatingFactor model is a component model. This model holds a question in the code and holds a coded value (CD) answer from the value set referred to in data. For example, in the ExacerbatingFactor model the question is What is the exacerbating factor? and the coded answer from the ExacerbatingFactor VALUESET set can be activity, etc. ExacerbatingFactor by definition means an action, object, or something that makes a condition or problem worse. |

#### findingMethod

This attribute specifies the means by which a clinical finding was determined.This attribute is frequently used in conjunction with |FINDING INFORMER|. Findings that specify that they were determined by examination of the patient (e.g. |On examination - ankle clonus (finding)|) should have a value for both |FINDING METHOD|  
and | FINDING INFORMER |.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute specifies the means by which a clinical finding was determined.This attribute is frequently used in conjunction with |FINDING INFORMER|. Findings that specify that they were determined by examination of the patient (e.g. |On examination - ankle clonus (finding)|) should have a value for both |FINDING METHOD| and | FINDING INFORMER |. |

#### hasDefinitionalManifestation

This attribute provides information about the underlying pathological process for a disorder, but only when the results of that process are not structural and cannot be represented by the |ASSOCIATED MORPHOLOGY| attribute.  
The values |Infectious process (qualifier value)| and its subtype |Parasitic process (qualifier value)| are included in the range for | PATHOLOGICAL PROCESS |. These were added to accommodate the change in the modeling of concepts in the |Infectious disease (disorder)| subhierarchy where the infectious aspect of the disease is represented using |PATHOLOGICAL PROCESS|.

|  |  |
| --- | --- |
| **Type** | RelatedClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute provides information about the underlying pathological process for a disorder, but only when the results of that process are not structural and cannot be represented by the |ASSOCIATED MORPHOLOGY| attribute. The values |Infectious process (qualifier value)| and its subtype |Parasitic process (qualifier value)| are included in the range for | PATHOLOGICAL PROCESS |. These were added to accommodate the change in the modeling of concepts in the |Infectious disease (disorder)| subhierarchy where the infectious aspect of the disease is represented using |PATHOLOGICAL PROCESS|. |

#### interpretation

This attribute refers to the entity being evaluated or interpreted, when an evaluation, interpretation or “judgment” is intrinsic to the meaning of a concept. This attribute is usually grouped with the | HAS INTERPRETATION | attribute.

|  |  |
| --- | --- |
| **Type** | Interpretation |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | This attribute refers to the entity being evaluated or interpreted, when an evaluation, interpretation or “judgment” is intrinsic to the meaning of a concept. This attribute is usually grouped with the | HAS INTERPRETATION | attribute. |

#### name

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### periodicity

Periodicity, the length of time from one occurrence to the next (e.g., intermittent, weekly, continuous).

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Periodicity, the length of time from one occurrence to the next (e.g., intermittent, weekly, continuous). |

#### periodOfLife

This attribute provides information about the underlying pathological process for a disorder, but only when the results of that process are not structural and cannot be represented by the |ASSOCIATED MORPHOLOGY| attribute.  
The values |Infectious process (qualifier value)| and its subtype |Parasitic process (qualifier value)| are included in the range for | PATHOLOGICAL PROCESS |. These were added to accommodate the change in the modeling of concepts in the |Infectious disease (disorder)| subhierarchy where the infectious aspect of the disease is represented using |PATHOLOGICAL PROCESS|.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | This attribute provides information about the underlying pathological process for a disorder, but only when the results of that process are not structural and cannot be represented by the |ASSOCIATED MORPHOLOGY| attribute. The values |Infectious process (qualifier value)| and its subtype |Parasitic process (qualifier value)| are included in the range for | PATHOLOGICAL PROCESS |. These were added to accommodate the change in the modeling of concepts in the |Infectious disease (disorder)| subhierarchy where the infectious aspect of the disease is represented using |PATHOLOGICAL PROCESS|. |

#### severity

This attribute is used to subclass a |Clinical finding| concept according to its severity; however, caution is  
encouraged because this use is said to be relative. By relative, it is meant that it is incorrect to assume that  
the same degree of disease intensity or hazard is implied for all |Clinical finding| to which this attribute is  
applied. There are three reasons.  
First, “severe” could be interpreted differently depending on what other values are available to choose for severity.Thus severity is relative to the other values in the value set presented to users. Consider the different meaning of severity in each of the following three sets of values:  
• mild / moderate / severe  
• minimal / mild / moderate / severe / very severe  
• mild / mild to moderate / moderate / moderate to severe / severe / life threatening / fatal  
Second, the severity is defined relative to the expected degree of intensity or hazard of the |Clinical finding| that is being qualified. A common cold has a baseline intensity or hazard much less than that of a more serious disease like lupus erythematosus or pneumonia; thus a severe cold might be considered less intense or hazardous than a mild pneumonia.  
Third, some disorders that are life-threatening do not ordinarily have a severity assigned to them. Cancer, for example, is generally not subclassed according to mild, moderate and severe types, but rather is subclassed according to stage or grade.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | This attribute is used to subclass a |Clinical finding| concept according to its severity; however, caution is encouraged because this use is said to be relative. By relative, it is meant that it is incorrect to assume that the same degree of disease intensity or hazard is implied for all |Clinical finding| to which this attribute is applied. There are three reasons. First, “severe” could be interpreted differently depending on what other values are available to choose for severity.Thus severity is relative to the other values in the value set presented to users. Consider the different meaning of severity in each of the following three sets of values: • mild / moderate / severe • minimal / mild / moderate / severe / very severe • mild / mild to moderate / moderate / moderate to severe / severe / life threatening / fatal Second, the severity is defined relative to the expected degree of intensity or hazard of the |Clinical finding| that is being qualified. A common cold has a baseline intensity or hazard much less than that of a more serious disease like lupus erythematosus or pneumonia; thus a severe cold might be considered less intense or hazardous than a mild pneumonia. Third, some disorders that are life-threatening do not ordinarily have a severity assigned to them. Cancer, for example, is generally not subclassed according to mild, moderate and severe types, but rather is subclassed according to stage or grade. |

#### verificationStatus

The verification status to support or decline the clinical status of the condition or diagnosis.  
Provisional This is a tentative diagnosis - still a candidate that is under consideration.   
Differential One of a set of potential (and typically mutually exclusive) diagnosis asserted to further guide the diagnostic process and preliminary treatment.   
Confirmed There is sufficient diagnostic and/or clinical evidence to treat this as a confirmed condition.   
Refuted This condition has been ruled out by diagnostic and clinical evidence.   
entered-in-error Entered In Error The statement was entered in error and is not valid.   
Unknown The condition status is unknown. Note that "unknown" is a value of last resort and every attempt should be made to provide a meaningful value other than "unknown".

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The verification status to support or decline the clinical status of the condition or diagnosis. Provisional This is a tentative diagnosis - still a candidate that is under consideration.  Differential One of a set of potential (and typically mutually exclusive) diagnosis asserted to further guide the diagnostic process and preliminary treatment.  Confirmed There is sufficient diagnostic and/or clinical evidence to treat this as a confirmed condition.  Refuted This condition has been ruled out by diagnostic and clinical evidence.  entered-in-error Entered In Error The statement was entered in error and is not valid.  Unknown The condition status is unknown. Note that "unknown" is a value of last resort and every attempt should be made to provide a meaningful value other than "unknown". |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Finding |

## **Class** **Device**

1541390522.jpg

1. Device

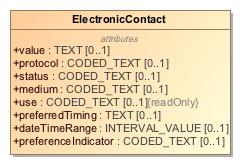
|  |  |
| --- | --- |
| **Name** | Device |
| **Qualified Name** | CIMI Clinical::Data Structure::Device |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [MaterialEntity](#_2165fb9bbad8eb59d1b4740448a4c8ef) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MaterialEntity |

## **Class** **ElectronicContact**



1. ElectronicContact

|  |  |
| --- | --- |
| **Name** | ElectronicContact |
| **Qualified Name** | CIMI Clinical::Data Structure::ElectronicContact |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### medium

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### preferenceIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### preferredTiming

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### protocol

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### use

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### value

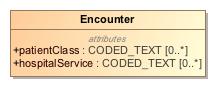
|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Encounter**



1. Encounter

|  |  |
| --- | --- |
| **Name** | Encounter |
| **Qualified Name** | CIMI Clinical::Data Structure::Encounter |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Action](#_d547e695a11dd3df66b397d959cc2744) |
| **Realized Interface** |  |

### **Attribute Detail**

#### hospitalService

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### patientClass

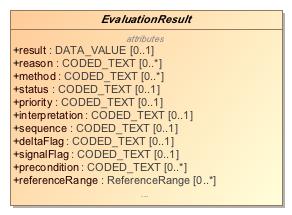
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Action |

## **Class** **EvaluationResult**



1. EvaluationResult

|  |  |
| --- | --- |
| **Name** | EvaluationResult |
| **Qualified Name** | CIMI Clinical::Data Structure::EvaluationResult |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [Finding](#_62eae16aab7aa990087c2a950d1e9fa6) |
| **Realized Interface** |  |

### **Attribute Detail**

#### conclusions

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### deltaFlag

Flag indicating whether there was a significant change from previous results

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Flag indicating whether there was a significant change from previous results |

#### interpretation

Normal, abnormal, panic high, panic low, ...

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Normal, abnormal, panic high, panic low, ... |

#### method

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### precondition

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### priority

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### reason

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### referenceRange

|  |  |
| --- | --- |
| **Type** | ReferenceRange |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### result

|  |  |
| --- | --- |
| **Type** | DATA\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### sequence

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### signalFlag

A code that indicates whether or not the result is outside the 'signal' range for this patient.  
  
Flag indicating whether this is a significant result that requires further attention (?)

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | A code that indicates whether or not the result is outside the 'signal' range for this patient.  Flag indicating whether this is a significant result that requires further attention (?) |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PhysicalEvaluationResult |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LaboratoryTestResult |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Finding |

## **Class** **Finding**



1. Finding

|  |  |
| --- | --- |
| **Name** | Finding |
| **Qualified Name** | CIMI Clinical::Data Structure::Finding |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [StatementTopic](#_8dacacae5133fd0eb69292f2aa802614) |
| **Realized Interface** |  |

### **Attribute Detail**

#### key

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Assertion |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementTopic |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * EvaluationResult |

## **Class** **FindingContext**

The FindingContext class aligns with the SNOMED Situations with Explicit Context for findings and provides the context for the topic of a clinical statement. For instance, a statement about findings may state that the finding was observed present or absent. By default, the negation applies to the conjunction of the stated attribute in the instance.

-1823786466.jpg

1. FindingContext

|  |  |
| --- | --- |
| **Name** | FindingContext |
| **Qualified Name** | CIMI Clinical::Data Structure::FindingContext |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [StatementContext](#_67998ffe126a4278e53ab6c2ef0deea5) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementContext |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Risk |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PresenceAbsenceContext |

## **Class** **Interpretation**



1. Interpretation

|  |  |
| --- | --- |
| **Name** | Interpretation |
| **Qualified Name** | CIMI Clinical::Data Structure::Interpretation |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [RelatedClinicalStatement](#_d9e891b914178c76e4c379e734b9be95) |
| **Realized Interface** |  |

### **Attribute Detail**

#### hasInterpretation

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * RelatedClinicalStatement |

## **Class** **Justification**

Asserted clinical justification to perform or not perform an act such as a diagnostic test, a medication treatment, or a procedure.  
  
The justification can be specified as a code or as a clinical statement, e.g., code for diabetes (ICD-9-CM 250.0) or a Condition occurrence statement (with diabetes code) documented elsewhere in a patient's record.



1. Justification

|  |  |
| --- | --- |
| **Name** | Justification |
| **Qualified Name** | CIMI Clinical::Data Structure::Justification |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [RelatedClinicalStatement](#_d9e891b914178c76e4c379e734b9be95) |
| **Realized Interface** |  |

### **Attribute Detail**

#### justification

A code representing the justification. Typically, the code is for a condition that is suspected or is observed in a patient.

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | A code representing the justification. Typically, the code is for a condition that is suspected or is observed in a patient. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * RelatedClinicalStatement |

## **Class** **KnownOrSuspectedPresent**

-1627835627.jpg

1. KnownOrSuspectedPresent

|  |  |
| --- | --- |
| **Name** | KnownOrSuspectedPresent |
| **Qualified Name** | CIMI Clinical::Data Structure::KnownOrSuspectedPresent |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PresenceAbsenceContext](#_60f7f5012ea782f44aee3fe4b45d207b) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PresenceAbsenceContext |

## **Class** **LaboratoryProcedure**



1. LaboratoryProcedure

|  |  |
| --- | --- |
| **Name** | LaboratoryProcedure |
| **Qualified Name** | CIMI Clinical::Data Structure::LaboratoryProcedure |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Procedure](#_421f619e20aab05b196a2571ef987a92) |
| **Realized Interface** |  |

### **Attribute Detail**

#### specimen

Tissues, objects, or samples taken from the patient during the procedure including biopsies, aspiration fluid, or other samples sent for pathological analysis.

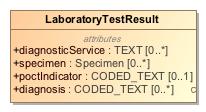
|  |  |
| --- | --- |
| **Type** | Specimen |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** |  |
| **Definition** | Tissues, objects, or samples taken from the patient during the procedure including biopsies, aspiration fluid, or other samples sent for pathological analysis. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Procedure |

## **Class** **LaboratoryTestResult**



1. LaboratoryTestResult

|  |  |
| --- | --- |
| **Name** | LaboratoryTestResult |
| **Qualified Name** | CIMI Clinical::Data Structure::LaboratoryTestResult |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [EvaluationResult](#_c03df87ab545c9f152f0d1d92140d977) |
| **Realized Interface** |  |

### **Attribute Detail**

#### diagnosis

Lab result that is pathoneumonic for a disease

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Lab result that is pathoneumonic for a disease |

#### diagnosticService

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### poctIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimen

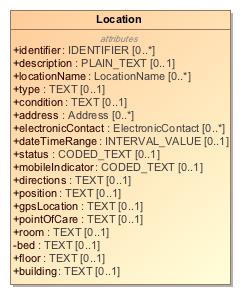
|  |  |
| --- | --- |
| **Type** | Specimen |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * EvaluationResult |

## **Class** **Location**



1. Location

|  |  |
| --- | --- |
| **Name** | Location |
| **Qualified Name** | CIMI Clinical::Data Structure::Location |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### address

|  |  |
| --- | --- |
| **Type** | Address |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### bed

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | private |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### building

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### condition

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### description

|  |  |
| --- | --- |
| **Type** | PLAIN\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### directions

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### electronicContact

|  |  |
| --- | --- |
| **Type** | ElectronicContact |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### floor

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### gpsLocation

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### locationName

|  |  |
| --- | --- |
| **Type** | LocationName |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### mobileIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### pointOfCare

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### position

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### room

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **LocationName**



1. LocationName

|  |  |
| --- | --- |
| **Name** | LocationName |
| **Qualified Name** | CIMI Clinical::Data Structure::LocationName |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### use

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### value

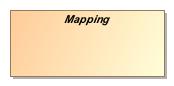
|  |  |
| --- | --- |
| **Type** | PLAIN\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Mapping**



1. Mapping

|  |  |
| --- | --- |
| **Name** | Mapping |
| **Qualified Name** | CIMI Clinical::Data Structure::Mapping |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Attribute Detail**

#### source

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

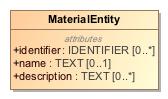
### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

## **Class** **MaterialEntity**



1. MaterialEntity

|  |  |
| --- | --- |
| **Name** | MaterialEntity |
| **Qualified Name** | CIMI Clinical::Data Structure::MaterialEntity |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### description

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### name

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AnatomicalLocation |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Device |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Substance |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Specimen |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **NotCompleted**

A record that a clinical act was initiated by not completed.



1. NotCompleted

|  |  |
| --- | --- |
| **Name** | NotCompleted |
| **Qualified Name** | CIMI Clinical::Data Structure::NotCompleted |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Performed](#_7db8be5ea411dbc1d040e23000bc0b5d) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Performed |

## **Class** **NotPerformed**

A record that a clinical act was not performed and/or never initiated. Do not use this context if the act was initiated or started but aborted or cancelled. Use the NotPerformed context instead.



1. NotPerformed

|  |  |
| --- | --- |
| **Name** | NotPerformed |
| **Qualified Name** | CIMI Clinical::Data Structure::NotPerformed |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### nonPerformanceTime

The time period during which the act was not performed.

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The time period during which the act was not performed. |

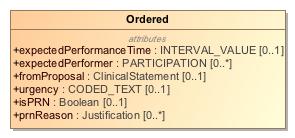
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **Ordered**

An instruction by a healthcare provider to another healthcare provider to perform some act.



1. Ordered

|  |  |
| --- | --- |
| **Name** | Ordered |
| **Qualified Name** | CIMI Clinical::Data Structure::Ordered |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### expectedPerformanceTime

Time when the ordered act is expected to be performed.

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Time when the ordered act is expected to be performed. |

#### expectedPerformer

Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery.

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery. |

#### fromProposal

Identifies a proposal that led to this order.

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies a proposal that led to this order. |

#### isPRN

Indicates whether the act being ordered should be performed only if needed, i.e., when a certain condition occurs. The condition can be described in the attribute prnReason.

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Indicates whether the act being ordered should be performed only if needed, i.e., when a certain condition occurs. The condition can be described in the attribute prnReason. |

#### prnReason

The ordered act should be performed if the indicated conditions occur, e.g.., shortness of breath, SpO2 less than x%, insomnia, nausea.

|  |  |
| --- | --- |
| **Type** | Justification |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The ordered act should be performed if the indicated conditions occur, e.g.., shortness of breath, SpO2 less than x%, insomnia, nausea. |

#### urgency

Characterizes how quickly the action must be initiated. Includes concepts such as stat, urgent, routine.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Characterizes how quickly the action must be initiated. Includes concepts such as stat, urgent, routine. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **OrganizationName**



1. OrganizationName

|  |  |
| --- | --- |
| **Name** | OrganizationName |
| **Qualified Name** | CIMI Clinical::Data Structure::OrganizationName |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActorName](#_dbe6e4e8448892573ef3c518354591c5) |
| **Realized Interface** |  |

### **Attribute Detail**

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### usage

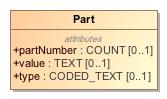
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActorName |

## **Class** **Part**



1. Part

|  |  |
| --- | --- |
| **Name** | Part |
| **Qualified Name** | CIMI Clinical::Data Structure::Part |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### partNumber

|  |  |
| --- | --- |
| **Type** | COUNT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### value

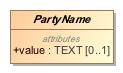
|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **PartyName**



1. PartyName

|  |  |
| --- | --- |
| **Name** | PartyName |
| **Qualified Name** | CIMI Clinical::Data Structure::PartyName |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

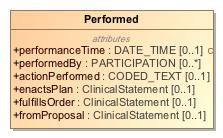
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActorName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Performed**

The actual performance or execution of a healthcare-related action, e.g., 3rd dose of Hepatitis B vaccine administered on Dec 4th 2012, appendectomy performed today.



1. Performed

|  |  |
| --- | --- |
| **Name** | Performed |
| **Qualified Name** | CIMI Clinical::Data Structure::Performed |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### actionPerformed

The component of a composite action that was performed. For instance, the fulfillment of a prescription may result in both a substance administration event and a dispense event, thus resulting in two action being performed.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The component of a composite action that was performed. For instance, the fulfillment of a prescription may result in both a substance administration event and a dispense event, thus resulting in two action being performed. |

#### enactsPlan

Identifies a plan that is partly or wholly enacted by the performance of this act

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies a plan that is partly or wholly enacted by the performance of this act |

#### fromProposal

Identifies a proposal that led to this order.

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies a proposal that led to this order. |

#### fulfillsOrder

Identifies an order that is partly or wholly filled by the performance of this act

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies an order that is partly or wholly filled by the performance of this act |

#### performanceTime

The overall time period in which the action is performed. This may be different than the scheduled time or the expected performance time.

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The overall time period in which the action is performed. This may be different than the scheduled time or the expected performance time. |

#### performedBy

Persons who perform this action, e.g., the person who administered the medication, performed the surgery.   
  
A performance may have many participants In comparison, an order or a plan typically has one participant. Hence, in performance many participants can be described along with their specific roles.

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Persons who perform this action, e.g., the person who administered the medication, performed the surgery.   A performance may have many participants In comparison, an order or a plan typically has one participant. Hence, in performance many participants can be described along with their specific roles. |

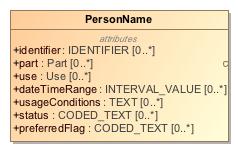
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * NotCompleted |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **PersonName**



1. PersonName

|  |  |
| --- | --- |
| **Name** | PersonName |
| **Qualified Name** | CIMI Clinical::Data Structure::PersonName |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActorName](#_dbe6e4e8448892573ef3c518354591c5) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### part

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### preferredFlag

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### usageConditions

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### use

|  |  |
| --- | --- |
| **Type** | Use |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActorName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PersonNameDetailed |

## **Class** **PersonNameDetailed**



1. PersonNameDetailed

|  |  |
| --- | --- |
| **Name** | PersonNameDetailed |
| **Qualified Name** | CIMI Clinical::Data Structure::PersonNameDetailed |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PersonName](#_b6d48c21b7c28e62c42108e31c4693f7) |
| **Realized Interface** |  |

### **Attribute Detail**

#### familyName

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### givenName

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### middleName

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### suffix

|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### title

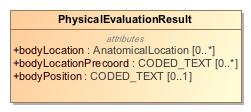
|  |  |
| --- | --- |
| **Type** | Part |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PersonName |

## **Class** **PhysicalEvaluationResult**



1. PhysicalEvaluationResult

|  |  |
| --- | --- |
| **Name** | PhysicalEvaluationResult |
| **Qualified Name** | CIMI Clinical::Data Structure::PhysicalEvaluationResult |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [EvaluationResult](#_c03df87ab545c9f152f0d1d92140d977) |
| **Realized Interface** |  |

### **Attribute Detail**

#### bodyLocation

|  |  |
| --- | --- |
| **Type** | AnatomicalLocation |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### bodyLocationPrecoord

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### bodyPosition

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

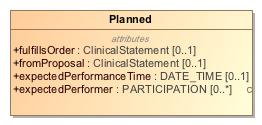
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * EvaluationResult |

## **Class** **Planned**

Description of action that is planned to be performed. Typically, this would include a time at which the action is scheduled to be performed.



1. Planned

|  |  |
| --- | --- |
| **Name** | Planned |
| **Qualified Name** | CIMI Clinical::Data Structure::Planned |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### expectedPerformanceTime

The time when the action is expected to be performed.

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The time when the action is expected to be performed. |

#### expectedPerformer

Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery.

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery. |

#### fromProposal

Identifies a proposal that led to this order.

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies a proposal that led to this order. |

#### fulfillsOrder

Identifies an order that is partly or wholly filled by the performance of this act

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Identifies an order that is partly or wholly filled by the performance of this act |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **PresenceAbsenceContext**

-419274319.jpg

1. PresenceAbsenceContext

|  |  |
| --- | --- |
| **Name** | PresenceAbsenceContext |
| **Qualified Name** | CIMI Clinical::Data Structure::PresenceAbsenceContext |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [FindingContext](#_ec1b6c1bdce78eab0982b0347e0d4928) |
| **Realized Interface** |  |

### **Relation Detail**

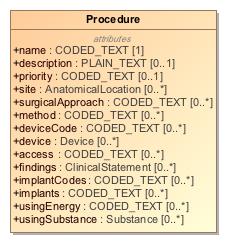
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Absent |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * KnownOrSuspectedPresent |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * FindingContext |

## **Class** **Procedure**



1. Procedure

|  |  |
| --- | --- |
| **Name** | Procedure |
| **Qualified Name** | CIMI Clinical::Data Structure::Procedure |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Act](#_e1fa9b35afe9aee63f25776ef8bb6620) |
| **Realized Interface** |  |

### **Attribute Detail**

#### access

The route used to access the site of a procedure. It is used to distinguish  
open, closed, and percutaneous procedures.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The route used to access the site of a procedure. It is used to distinguish open, closed, and percutaneous procedures. |

#### description

|  |  |
| --- | --- |
| **Type** | PLAIN\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### device

Device associated with the procedure.

|  |  |
| --- | --- |
| **Type** | Device |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Device associated with the procedure. |

#### deviceCode

Code for device associated with the procedure.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Code for device associated with the procedure. |

#### findings

Records clinically significant observations confirmed or discovered during the procedure or surgery. For example, "Necrotic left ovarian cyst was discovered and removed." - ONC S&I Clinical Element Data Dictionary (CEDD), March 2012.

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Records clinically significant observations confirmed or discovered during the procedure or surgery. For example, "Necrotic left ovarian cyst was discovered and removed." - ONC S&I Clinical Element Data Dictionary (CEDD), March 2012. |

#### implantCodes

Materials placed during the procedure including stents, tubes, and drains.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Materials placed during the procedure including stents, tubes, and drains. |

#### implants

Materials placed during the procedure including stents, tubes, and drains.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Materials placed during the procedure including stents, tubes, and drains. |

#### method

Action being performed to accomplish the procedure.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Action being performed to accomplish the procedure. |

#### name

A clinical procedure perfored on a subject, most often a patient.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** | A clinical procedure perfored on a subject, most often a patient. |

#### priority

Priority assigned to a procedure.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Priority assigned to a procedure. |

#### site

Anatomical location of the procedure.

|  |  |
| --- | --- |
| **Type** | AnatomicalLocation |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Anatomical location of the procedure. |

#### surgicalApproach

The technique used to reach the site of the procedure. Approaches may be through the skin or mucous membrane, through an orifice or external.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The technique used to reach the site of the procedure. Approaches may be through the skin or mucous membrane, through an orifice or external. |

#### usingEnergy

The energy used to execute the procedure.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The energy used to execute the procedure. |

#### usingSubstance

Substance used to execute the action of a procedure.

|  |  |
| --- | --- |
| **Type** | Substance |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Substance used to execute the action of a procedure. |

### **Relation Detail**

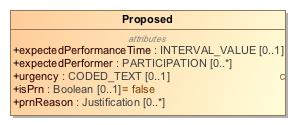
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LaboratoryProcedure |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Act |

## **Class** **Proposed**

An offer or a suggestion to perform a healthcare act. A recommendation to a provider is an example of proposal made by a CDS system. A proposal must be accepted by an entity in order for it to be performed.



1. Proposed

|  |  |
| --- | --- |
| **Name** | Proposed |
| **Qualified Name** | CIMI Clinical::Data Structure::Proposed |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### expectedPerformanceTime

The time when the action is expected to be performed.

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The time when the action is expected to be performed. |

#### expectedPerformer

Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery.

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | Persons who are expected to or intended to perform this action, e.g., the person who will perform the surgery. |

#### isPrn

Indicates whether the act being proposed should be performed only if needed, i.e., when a certain condition occurs. The condition can be described in the attribute prnReason.

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** | false |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Indicates whether the act being proposed should be performed only if needed, i.e., when a certain condition occurs. The condition can be described in the attribute prnReason. |

#### prnReason

The proposed act must be performed if the indicated conditions occur, e.g.., shortness of breath, SpO2 less than x%, insomnia, nausea.

|  |  |
| --- | --- |
| **Type** | Justification |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** | The proposed act must be performed if the indicated conditions occur, e.g.., shortness of breath, SpO2 less than x%, insomnia, nausea. |

#### urgency

Characterizes how quickly the proposed act must be initiated. Includes concepts such as stat, urgent, routine.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Characterizes how quickly the proposed act must be initiated. Includes concepts such as stat, urgent, routine. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **ProposedAgainst**

Concept represents a recommendation from a clinical decision support system or advice from a consultation to not perform an act.



1. ProposedAgainst

|  |  |
| --- | --- |
| **Name** | ProposedAgainst |
| **Qualified Name** | CIMI Clinical::Data Structure::ProposedAgainst |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ActionContext](#_28e3d3befb3033cb107577163a6ec7dd) |
| **Realized Interface** |  |

### **Attribute Detail**

#### nonPerformanceTime

The time period during which the act should not be performed.

|  |  |
| --- | --- |
| **Type** | INTERVAL\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | The time period during which the act should not be performed. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

## **Class** **Provenance**



1. Provenance

|  |  |
| --- | --- |
| **Name** | Provenance |
| **Qualified Name** | CIMI Clinical::Data Structure::Provenance |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### attribution

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1..\* |
| **Definition** |  |

### **Relation Detail**

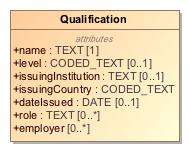
#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Qualification**



1. Qualification

|  |  |
| --- | --- |
| **Name** | Qualification |
| **Qualified Name** | CIMI Clinical::Data Structure::Qualification |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateIssued

|  |  |
| --- | --- |
| **Type** | DATE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### employer

|  |  |
| --- | --- |
| **Type** |  |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### issuingCountry

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** |  |
| **Definition** |  |

#### issuingInstitution

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### level

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### name

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### role

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **QualitativeReferenceRange**



1. QualitativeReferenceRange

|  |  |
| --- | --- |
| **Name** | QualitativeReferenceRange |
| **Qualified Name** | CIMI Clinical::Data Structure::QualitativeReferenceRange |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ReferenceRange](#_93723ed45cb3def93876dc368a35a480) |
| **Realized Interface** |  |

### **Attribute Detail**

#### referenceValue

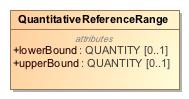
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ReferenceRange |

## **Class** **QuantitativeReferenceRange**



1. QuantitativeReferenceRange

|  |  |
| --- | --- |
| **Name** | QuantitativeReferenceRange |
| **Qualified Name** | CIMI Clinical::Data Structure::QuantitativeReferenceRange |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ReferenceRange](#_93723ed45cb3def93876dc368a35a480) |
| **Realized Interface** |  |

### **Attribute Detail**

#### lowerBound

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### upperBound

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

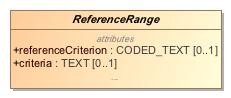
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ReferenceRange |

## **Class** **ReferenceRange**

A reference range for the specific instance after lookup from, say, a reference range table given specific criteria. Note that this reference range is not definitional in nature but rather refers to the reference range considered for the given observation for a subject.



1. ReferenceRange

|  |  |
| --- | --- |
| **Name** | ReferenceRange |
| **Qualified Name** | CIMI Clinical::Data Structure::ReferenceRange |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### criteria

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### narrative

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### referenceCriterion

Indicates whether the given range is normal, critically high, ...

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** | Indicates whether the given range is normal, critically high, ... |

### **Relation Detail**

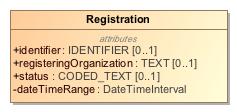
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QualitativeReferenceRange |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QuantitativeReferenceRange |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Registration**



1. Registration

|  |  |
| --- | --- |
| **Name** | Registration |
| **Qualified Name** | CIMI Clinical::Data Structure::Registration |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | DateTimeInterval |
| **Default Value** |  |
| **Visibility** | private |
| **Multiplicity** |  |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### registeringOrganization

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **RelatedClinicalStatement**



1. RelatedClinicalStatement

|  |  |
| --- | --- |
| **Name** | RelatedClinicalStatement |
| **Qualified Name** | CIMI Clinical::Data Structure::RelatedClinicalStatement |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### relationshipCode

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | ClinicalStatement |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Justification |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Interpretation |

## **Class** **Risk**

-67184742.jpg

1. Risk

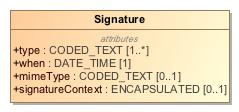
|  |  |
| --- | --- |
| **Name** | Risk |
| **Qualified Name** | CIMI Clinical::Data Structure::Risk |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [FindingContext](#_ec1b6c1bdce78eab0982b0347e0d4928) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * FindingContext |

## **Class** **Signature**



1. Signature

|  |  |
| --- | --- |
| **Name** | Signature |
| **Qualified Name** | CIMI Clinical::Data Structure::Signature |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### mimeType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### signatureContext

|  |  |
| --- | --- |
| **Type** | ENCAPSULATED |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1..\* |
| **Definition** |  |

#### when

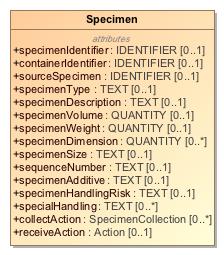
|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Specimen**



1. Specimen

|  |  |
| --- | --- |
| **Name** | Specimen |
| **Qualified Name** | CIMI Clinical::Data Structure::Specimen |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [MaterialEntity](#_2165fb9bbad8eb59d1b4740448a4c8ef) |
| **Realized Interface** |  |

### **Attribute Detail**

#### collectAction

|  |  |
| --- | --- |
| **Type** | SpecimenCollection |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### containerIdentifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### receiveAction

|  |  |
| --- | --- |
| **Type** | Action |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### sequenceNumber

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### sourceSpecimen

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specialHandling

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### specimenAdditive

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenDescription

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenDimension

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### specimenHandlingRisk

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenIdentifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenSize

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenType

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenVolume

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### specimenWeight

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MaterialEntity |

## **Class** **SpecimenCollection**



1. SpecimenCollection

|  |  |
| --- | --- |
| **Name** | SpecimenCollection |
| **Qualified Name** | CIMI Clinical::Data Structure::SpecimenCollection |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Action](#_d547e695a11dd3df66b397d959cc2744) |
| **Realized Interface** |  |

### **Attribute Detail**

#### collectionBodySite

|  |  |
| --- | --- |
| **Type** | AnatomicalLocation |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### collectionDescription

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### collectionPriority

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

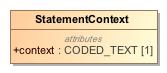
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Action |

## **Class** **StatementContext**

The StatementContext class aligns with the SNOMED Situations with Explicit Context and provides the context for the topic of a clinical statement. Note that the action context provides the expressivity required to specify that an act was not done or a finding was observed to be absent. By default, the negation applies to the conjunction of the stated attribute in the instance.



1. StatementContext

|  |  |
| --- | --- |
| **Name** | StatementContext |
| **Qualified Name** | CIMI Clinical::Data Structure::StatementContext |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [VIRTUAL\_CLUSTER](#_485877a9b6ca5bf04f3587b4fbc63039) |
| **Realized Interface** |  |

### **Attribute Detail**

#### context

The SNOMED 'Context value' code that most closely aligns with the contextual intent of the clinical statement.

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** | The SNOMED 'Context value' code that most closely aligns with the contextual intent of the clinical statement. |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionContext |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * FindingContext |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * VIRTUAL\_CLUSTER |

## **Class** **StatementTopic**

-1713950916.jpg

1. StatementTopic

|  |  |
| --- | --- |
| **Name** | StatementTopic |
| **Qualified Name** | CIMI Clinical::Data Structure::StatementTopic |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [VIRTUAL\_CLUSTER](#_485877a9b6ca5bf04f3587b4fbc63039) |
| **Realized Interface** |  |

### **Relation Detail**

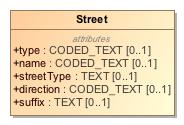
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * VIRTUAL\_CLUSTER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Act |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Finding |

## **Class** **Street**



1. Street

|  |  |
| --- | --- |
| **Name** | Street |
| **Qualified Name** | CIMI Clinical::Data Structure::Street |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### direction

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### name

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### streetType

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### suffix

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

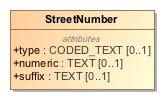
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **StreetNumber**



1. StreetNumber

|  |  |
| --- | --- |
| **Name** | StreetNumber |
| **Qualified Name** | CIMI Clinical::Data Structure::StreetNumber |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### numeric

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### suffix

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

## **Class** **Substance**

-787057121.jpg

1. Substance

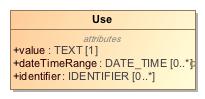
|  |  |
| --- | --- |
| **Name** | Substance |
| **Qualified Name** | CIMI Clinical::Data Structure::Substance |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [MaterialEntity](#_2165fb9bbad8eb59d1b4740448a4c8ef) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MaterialEntity |

## **Class** **Use**



1. Use

|  |  |
| --- | --- |
| **Name** | Use |
| **Qualified Name** | CIMI Clinical::Data Structure::Use |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | DATE\_TIME |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

# **Package CIMI Clinical::Participation**

|  |  |
| --- | --- |
| **Name** | Participation |
| **Qualified Name** | CIMI Clinical::Participation |

## **Class** **SubjectOfInformation**



1. SubjectOfInformation

|  |  |
| --- | --- |
| **Name** | SubjectOfInformation |
| **Qualified Name** | CIMI Clinical::Participation::SubjectOfInformation |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PARTICIPATION](#_b7e8cd5a27a6e678b421f753b87a4bd7) |
| **Realized Interface** |  |

### **Attribute Detail**

#### subjectRelationship

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

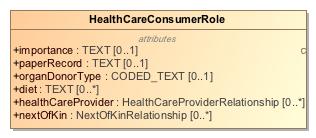
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

# **Package CIMI Clinical::Party**

|  |  |
| --- | --- |
| **Name** | Party |
| **Qualified Name** | CIMI Clinical::Party |

## **Class** **HealthCareConsumerRole**



1. HealthCareConsumerRole

|  |  |
| --- | --- |
| **Name** | HealthCareConsumerRole |
| **Qualified Name** | CIMI Clinical::Party::HealthCareConsumerRole |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PersonRole](#_6d358efc7f81f191c058a69047efe4eb) |
| **Realized Interface** |  |

### **Attribute Detail**

#### diet

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### healthCareProvider

|  |  |
| --- | --- |
| **Type** | HealthCareProviderRelationship |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### importance

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### nextOfKin

|  |  |
| --- | --- |
| **Type** | NextOfKinRelationship |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### organDonorType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### paperRecord

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PersonRole |

## **Class** **HealthCareProviderIndividualRole**



1. HealthCareProviderIndividualRole

|  |  |
| --- | --- |
| **Name** | HealthCareProviderIndividualRole |
| **Qualified Name** | CIMI Clinical::Party::HealthCareProviderIndividualRole |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [HealthCareProviderRole](#_1150a0d6fed5d1ce06f50c29656e1dc0) |
| **Realized Interface** |  |

### **Attribute Detail**

#### employer

|  |  |
| --- | --- |
| **Type** | EmployerRelationship |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### qualification

|  |  |
| --- | --- |
| **Type** | Qualification |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### registration

|  |  |
| --- | --- |
| **Type** | Registration |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### role

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderRole |

## **Class** **HealthCareProviderOrganizationRole**

-365779988.jpg

1. HealthCareProviderOrganizationRole

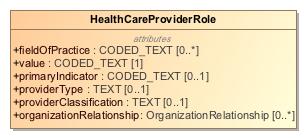
|  |  |
| --- | --- |
| **Name** | HealthCareProviderOrganizationRole |
| **Qualified Name** | CIMI Clinical::Party::HealthCareProviderOrganizationRole |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [HealthCareProviderRole](#_1150a0d6fed5d1ce06f50c29656e1dc0) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderRole |

## **Class** **HealthCareProviderRole**



1. HealthCareProviderRole

|  |  |
| --- | --- |
| **Name** | HealthCareProviderRole |
| **Qualified Name** | CIMI Clinical::Party::HealthCareProviderRole |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Role](#_65b5188de3cf16aaf215543157ade9fe) |
| **Realized Interface** |  |

### **Attribute Detail**

#### fieldOfPractice

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### organizationRelationship

|  |  |
| --- | --- |
| **Type** | OrganizationRelationship |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### primaryIndicator

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### providerClassification

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### providerType

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

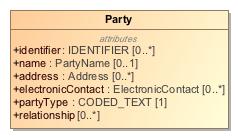
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderOrganizationRole |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Role |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderIndividualRole |

## **Class** **Party**



1. Party

|  |  |
| --- | --- |
| **Name** | Party |
| **Qualified Name** | CIMI Clinical::Party::Party |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PARTY](#_2d0c58ed38f8bb1e4b3c763571f78036) |
| **Realized Interface** |  |

### **Attribute Detail**

#### address

|  |  |
| --- | --- |
| **Type** | Address |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### electronicContact

|  |  |
| --- | --- |
| **Type** | ElectronicContact |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### name

|  |  |
| --- | --- |
| **Type** | PartyName |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### partyType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### relationship

|  |  |
| --- | --- |
| **Type** |  |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Role |

## **Class** **PersonRole**



1. PersonRole

|  |  |
| --- | --- |
| **Name** | PersonRole |
| **Qualified Name** | CIMI Clinical::Party::PersonRole |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Role](#_65b5188de3cf16aaf215543157ade9fe) |
| **Realized Interface** |  |

### **Attribute Detail**

#### preferredContactMethod

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### preferredContactTime

|  |  |
| --- | --- |
| **Type** | DateTimeInterval |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### preferredWrittenCommunicationFormat

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

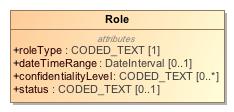
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Role |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareConsumerRole |

## **Class** **Role**



1. Role

|  |  |
| --- | --- |
| **Name** | Role |
| **Qualified Name** | CIMI Clinical::Party::Role |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [Party](#_c07b50822cb413204854e61044bcf88c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### confidentialityLevel

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### dateTimeRange

|  |  |
| --- | --- |
| **Type** | DateInterval |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### roleType

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderRole |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Party |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PersonRole |

# **Package CIMI Clinical::Redefined Datatypes**

|  |  |
| --- | --- |
| **Name** | Redefined Datatypes |
| **Qualified Name** | CIMI Clinical::Redefined Datatypes |

## **Class** **DateInterval**

-1813324537.jpg

1. DateInterval

|  |  |
| --- | --- |
| **Name** | DateInterval |
| **Qualified Name** | CIMI Clinical::Redefined Datatypes::DateInterval |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Relation Detail**

#### Template Binding

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** |  |

## **Class** **DateTimeInterval**

620812094.jpg

1. DateTimeInterval

|  |  |
| --- | --- |
| **Name** | DateTimeInterval |
| **Qualified Name** | CIMI Clinical::Redefined Datatypes::DateTimeInterval |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Relation Detail**

#### Template Binding

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** |  |

# **Package CIMI Clinical::Relationship**

|  |  |
| --- | --- |
| **Name** | Relationship |
| **Qualified Name** | CIMI Clinical::Relationship |

## **Class** **EmployerRelationship**



1. EmployerRelationship

|  |  |
| --- | --- |
| **Name** | EmployerRelationship |
| **Qualified Name** | CIMI Clinical::Relationship::EmployerRelationship |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [OrganizationRelationship](#_89238b323492d3d0bd2f388a96378c13) |
| **Realized Interface** |  |

### **Attribute Detail**

#### occupation

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### rank

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### role

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### salaryQuantity

|  |  |
| --- | --- |
| **Type** | QUANTITY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### salaryType

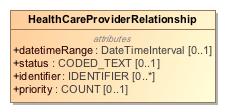
|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * OrganizationRelationship |

## **Class** **HealthCareProviderRelationship**



1. HealthCareProviderRelationship

|  |  |
| --- | --- |
| **Name** | HealthCareProviderRelationship |
| **Qualified Name** | CIMI Clinical::Relationship::HealthCareProviderRelationship |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PartyRelationship](#_50f7365a3aed53074b2d39aa1467ebfa) |
| **Realized Interface** |  |

### **Attribute Detail**

#### datetimeRange

|  |  |
| --- | --- |
| **Type** | DateTimeInterval |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### priority

|  |  |
| --- | --- |
| **Type** | COUNT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### status

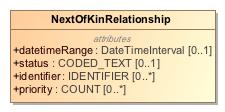
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyRelationship |

## **Class** **NextOfKinRelationship**



1. NextOfKinRelationship

|  |  |
| --- | --- |
| **Name** | NextOfKinRelationship |
| **Qualified Name** | CIMI Clinical::Relationship::NextOfKinRelationship |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PartyRelationship](#_50f7365a3aed53074b2d39aa1467ebfa) |
| **Realized Interface** |  |

### **Attribute Detail**

#### datetimeRange

|  |  |
| --- | --- |
| **Type** | DateTimeInterval |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### identifier

|  |  |
| --- | --- |
| **Type** | IDENTIFIER |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### priority

|  |  |
| --- | --- |
| **Type** | COUNT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### status

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyRelationship |

## **Class** **OrganizationRelationship**

528355621.jpg

1. OrganizationRelationship

|  |  |
| --- | --- |
| **Name** | OrganizationRelationship |
| **Qualified Name** | CIMI Clinical::Relationship::OrganizationRelationship |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PartyRelationship](#_50f7365a3aed53074b2d39aa1467ebfa) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyRelationship |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * EmployerRelationship |

## **Class** **PartyRelationship**



1. PartyRelationship

|  |  |
| --- | --- |
| **Name** | PartyRelationship |
| **Qualified Name** | CIMI Clinical::Relationship::PartyRelationship |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [PARTY\_RELATIONSHIP](#_45039ac2ef8e5e7783314f936d544259) |
| **Realized Interface** |  |

### **Attribute Detail**

#### location

|  |  |
| --- | --- |
| **Type** | Location |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### scopingStatus

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * NextOfKinRelationship |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * OrganizationRelationship |

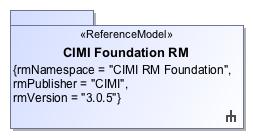
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY\_RELATIONSHIP |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * HealthCareProviderRelationship |

## **Class** **SubjectOfInformation**

|  |  |
| --- | --- |
| **Name** | SubjectOfInformation |
| **Qualified Name** | CIMI Clinical::Relationship::SubjectOfInformation |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

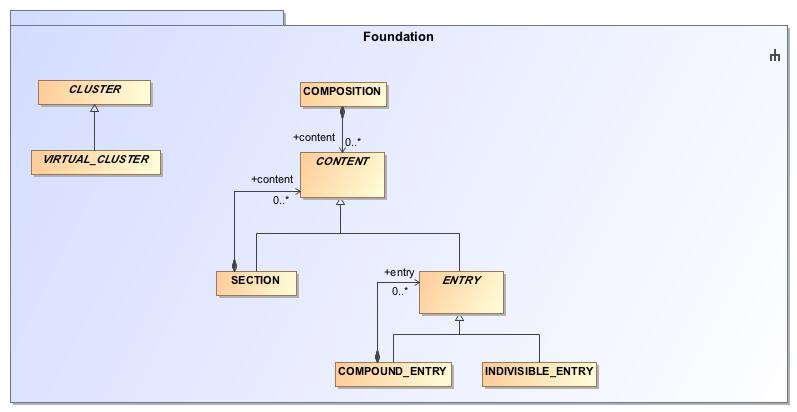
# **Package CIMI Foundation RM**



1. CIMI Foundation RM

|  |  |
| --- | --- |
| **Name** | CIMI Foundation RM |
| **Qualified Name** | CIMI Foundation RM |

# **Package CIMI Foundation RM::Foundation**



1. Foundation

|  |  |
| --- | --- |
| **Name** | Foundation |
| **Qualified Name** | CIMI Foundation RM::Foundation |

## **Class** **CLUSTER**

1509604747.jpg

1. CLUSTER

|  |  |
| --- | --- |
| **Name** | CLUSTER |
| **Qualified Name** | CIMI Foundation RM::Foundation::CLUSTER |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Attribute Detail**

#### participation

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** |  |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LocationName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ElectronicContact |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Street |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Action |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Address |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * RelatedClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Location |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AddressLine |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Signature |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * VIRTUAL\_CLUSTER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MaterialEntity |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StreetNumber |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Provenance |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyName |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Use |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ReferenceRange |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Qualification |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ActionSet |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Registration |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Part |

## **Class** **COMPOSITION**

1012610853.jpg

1. COMPOSITION

|  |  |
| --- | --- |
| **Name** | COMPOSITION |
| **Qualified Name** | CIMI Foundation RM::Foundation::COMPOSITION |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Attribute Detail**

#### content

|  |  |
| --- | --- |
| **Type** | CONTENT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### participation

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CONTENT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

## **Class** **COMPOUND\_ENTRY**

-786303411.jpg

1. COMPOUND\_ENTRY

|  |  |
| --- | --- |
| **Name** | COMPOUND\_ENTRY |
| **Qualified Name** | CIMI Foundation RM::Foundation::COMPOUND\_ENTRY |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ENTRY](#_c5ab0d8cbd3ee2001079525beee94ae1) |
| **Realized Interface** |  |

### **Attribute Detail**

#### entry

|  |  |
| --- | --- |
| **Type** | ENTRY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CompoundClinicalStatement |

## **Class** **CONTENT**



1. CONTENT

|  |  |
| --- | --- |
| **Name** | CONTENT |
| **Qualified Name** | CIMI Foundation RM::Foundation::CONTENT |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * SECTION |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOSITION |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * SECTION |

## **Class** **ENTRY**

795160522.jpg

1. ENTRY

|  |  |
| --- | --- |
| **Name** | ENTRY |
| **Qualified Name** | CIMI Foundation RM::Foundation::ENTRY |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [CONTENT](#_a7d64b8b61307adbf66eb859f12c713f) |
| **Realized Interface** |  |

### **Attribute Detail**

#### participation

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOUND\_ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOUND\_ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * INDIVISIBLE\_ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ClinicalStatement |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CONTENT |

## **Class** **INDIVISIBLE\_ENTRY**

1295820635.jpg

1. INDIVISIBLE\_ENTRY

|  |  |
| --- | --- |
| **Name** | INDIVISIBLE\_ENTRY |
| **Qualified Name** | CIMI Foundation RM::Foundation::INDIVISIBLE\_ENTRY |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ENTRY](#_c5ab0d8cbd3ee2001079525beee94ae1) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * IndivisibleClinicalStatement |

## **Class** **SECTION**

1368420154.jpg

1. SECTION

|  |  |
| --- | --- |
| **Name** | SECTION |
| **Qualified Name** | CIMI Foundation RM::Foundation::SECTION |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [CONTENT](#_a7d64b8b61307adbf66eb859f12c713f) |
| **Realized Interface** |  |

### **Attribute Detail**

#### content

|  |  |
| --- | --- |
| **Type** | CONTENT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CONTENT |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CONTENT |

## **Class** **VIRTUAL\_CLUSTER**

895402206.jpg

1. VIRTUAL\_CLUSTER

|  |  |
| --- | --- |
| **Name** | VIRTUAL\_CLUSTER |
| **Qualified Name** | CIMI Foundation RM::Foundation::VIRTUAL\_CLUSTER |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [CLUSTER](#_35b2b99ee899e91287cd5e537dc77e5c) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementTopic |

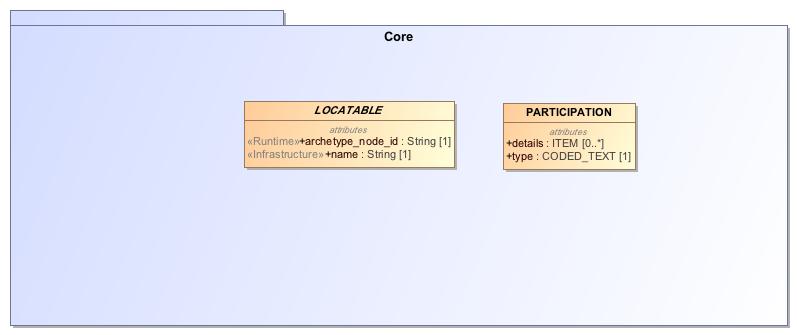
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * StatementContext |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

# **Package CIMI Reference Model**

|  |  |
| --- | --- |
| **Name** | CIMI Reference Model |
| **Qualified Name** | CIMI Reference Model |

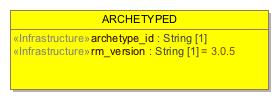
# **Package CIMI Reference Model::Core**



1. Core

|  |  |
| --- | --- |
| **Name** | Core |
| **Qualified Name** | CIMI Reference Model::Core |

## **Class** **ARCHETYPED**



1. ARCHETYPED

|  |  |
| --- | --- |
| **Name** | ARCHETYPED |
| **Qualified Name** | CIMI Reference Model::Core::ARCHETYPED |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Attribute Detail**

#### archetype\_id

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### rm\_version

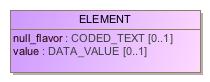
|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** | 3.0.5 |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

## **Class** **ELEMENT**



1. ELEMENT

|  |  |
| --- | --- |
| **Name** | ELEMENT |
| **Qualified Name** | CIMI Reference Model::Core::ELEMENT |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ITEM](#_b71241f7ebcd81e17e74e7aa3cc1af2e) |
| **Realized Interface** |  |

### **Attribute Detail**

#### null\_flavor

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | DATA\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM |

## **Class** **ITEM**

-1273539873.jpg

1. ITEM

|  |  |
| --- | --- |
| **Name** | ITEM |
| **Qualified Name** | CIMI Reference Model::Core::ITEM |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM\_GROUP |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ELEMENT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM\_GROUP |

## **Class** **ITEM\_GROUP**



1. ITEM\_GROUP

|  |  |
| --- | --- |
| **Name** | ITEM\_GROUP |
| **Qualified Name** | CIMI Reference Model::Core::ITEM\_GROUP |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ITEM](#_b71241f7ebcd81e17e74e7aa3cc1af2e) |
| **Realized Interface** |  |

### **Attribute Detail**

#### item

|  |  |
| --- | --- |
| **Type** | ITEM |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1..\* |
| **Definition** |  |

#### participation

|  |  |
| --- | --- |
| **Type** | PARTICIPATION |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

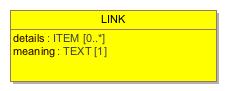
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM |

## **Class** **LINK**



1. LINK

|  |  |
| --- | --- |
| **Name** | LINK |
| **Qualified Name** | CIMI Reference Model::Core::LINK |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Attribute Detail**

#### details

|  |  |
| --- | --- |
| **Type** | ITEM |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### meaning

|  |  |
| --- | --- |
| **Type** | TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | LOCATABLE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

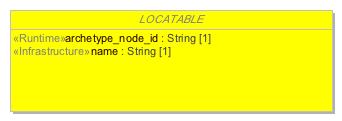
### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

## **Class** **LOCATABLE**



1. LOCATABLE

|  |  |
| --- | --- |
| **Name** | LOCATABLE |
| **Qualified Name** | CIMI Reference Model::Core::LOCATABLE |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Attribute Detail**

#### archetype\_details

|  |  |
| --- | --- |
| **Type** | ARCHETYPED |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### archetype\_node\_id

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### link

|  |  |
| --- | --- |
| **Type** | LINK |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### name

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ARCHETYPED |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LINK |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LINK |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CONTENT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

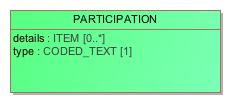
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY\_RELATIONSHIP |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOSITION |

## **Class** **PARTICIPATION**



1. PARTICIPATION

|  |  |
| --- | --- |
| **Name** | PARTICIPATION |
| **Qualified Name** | CIMI Reference Model::Core::PARTICIPATION |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Attribute Detail**

#### details

|  |  |
| --- | --- |
| **Type** | ITEM |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### party

|  |  |
| --- | --- |
| **Type** | PARTY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CLUSTER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COMPOSITION |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ITEM\_GROUP |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENTRY |

#### Generalization

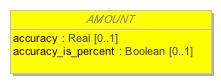
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * SubjectOfInformation |

# **Package CIMI Reference Model::Data Value Types**

|  |  |
| --- | --- |
| **Name** | Data Value Types |
| **Qualified Name** | CIMI Reference Model::Data Value Types |

## **Class** **AMOUNT**



1. AMOUNT

|  |  |
| --- | --- |
| **Name** | AMOUNT |
| **Qualified Name** | CIMI Reference Model::Data Value Types::AMOUNT |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [QUANTIFIED](#_e98cf786bf448c63ab540397a0c1577f) |
| **Realized Interface** |  |

### **Attribute Detail**

#### accuracy

|  |  |
| --- | --- |
| **Type** | Real |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### accuracy\_is\_percent

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

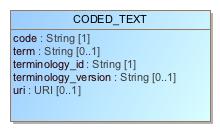
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * COUNT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTITY |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTIFIED |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PROPORTION |

## **Class** **CODED\_TEXT**



1. CODED\_TEXT

|  |  |
| --- | --- |
| **Name** | CODED\_TEXT |
| **Qualified Name** | CIMI Reference Model::Data Value Types::CODED\_TEXT |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [TEXT](#_47851624ea09cdeded4e21bb6ec4bf1c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### code

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### term

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### terminology\_id

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### terminology\_version

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### uri

|  |  |
| --- | --- |
| **Type** | URI |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

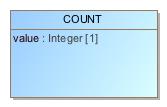
#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TERM\_MAPPING |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TEXT |

## **Class** **COUNT**



1. COUNT

|  |  |
| --- | --- |
| **Name** | COUNT |
| **Qualified Name** | CIMI Reference Model::Data Value Types::COUNT |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [AMOUNT](#_83d40230005665e782ff8ab848072244) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value

|  |  |
| --- | --- |
| **Type** | Integer |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AMOUNT |

## **Class** **DATA\_VALUE**



1. DATA\_VALUE

|  |  |
| --- | --- |
| **Name** | DATA\_VALUE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::DATA\_VALUE |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENCAPSULATED |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ORDERED\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TEXT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * INTERVAL\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * URI\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * IDENTIFIER |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * YESNO |

## **Class** **DATE**



1. DATE

|  |  |
| --- | --- |
| **Name** | DATE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::DATE |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATE\_TIME](#_378aeb51f62d8e17a562ba5710b99a7c) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATE\_TIME |

## **Class** **DATE\_TIME**



1. DATE\_TIME

|  |  |
| --- | --- |
| **Name** | DATE\_TIME |
| **Qualified Name** | CIMI Reference Model::Data Value Types::DATE\_TIME |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [QUANTIFIED](#_e98cf786bf448c63ab540397a0c1577f) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

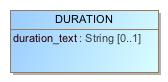
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTIFIED |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TIME |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATE |

## **Class** **DURATION**



1. DURATION

|  |  |
| --- | --- |
| **Name** | DURATION |
| **Qualified Name** | CIMI Reference Model::Data Value Types::DURATION |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [QUANTITY](#_ebde93ac872ddad24fa61a3fa11f9caf) |
| **Realized Interface** |  |

### **Attribute Detail**

#### duration\_text

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Operation Detail**

#### is\_strictly\_comparable\_to

|  |  |
| --- | --- |
| **Type** |  |
| **Visibility** | public |
| **Is Abstract** | false |
| **Parameter** | * in other : |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTITY |

## **Class** **EHR\_URI**

1658395172.jpg

1. EHR\_URI

|  |  |
| --- | --- |
| **Name** | EHR\_URI |
| **Qualified Name** | CIMI Reference Model::Data Value Types::EHR\_URI |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [URI\_VALUE](#_ddc64ab1c85ec22342bf85190f1f61a3) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * URI\_VALUE |

## **Class** **ENCAPSULATED**

-357038799.jpg

1. ENCAPSULATED

|  |  |
| --- | --- |
| **Name** | ENCAPSULATED |
| **Qualified Name** | CIMI Reference Model::Data Value Types::ENCAPSULATED |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARSABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * MULTIMEDIA |

## **Class** **IDENTIFIER**



1. IDENTIFIER

|  |  |
| --- | --- |
| **Name** | IDENTIFIER |
| **Qualified Name** | CIMI Reference Model::Data Value Types::IDENTIFIER |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Attribute Detail**

#### id

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### issuer

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### type

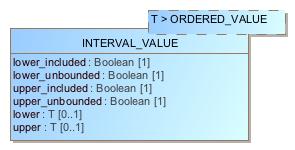
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

## **Class** **INTERVAL\_VALUE**



1. INTERVAL\_VALUE

|  |  |
| --- | --- |
| **Name** | INTERVAL\_VALUE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::INTERVAL\_VALUE |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Attribute Detail**

#### lower

|  |  |
| --- | --- |
| **Type** | T |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### lower\_included

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### lower\_unbounded

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### upper

|  |  |
| --- | --- |
| **Type** | T |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### upper\_included

|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### upper\_unbounded

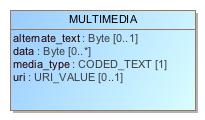
|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

## **Class** **MULTIMEDIA**



1. MULTIMEDIA

|  |  |
| --- | --- |
| **Name** | MULTIMEDIA |
| **Qualified Name** | CIMI Reference Model::Data Value Types::MULTIMEDIA |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ENCAPSULATED](#_be6e861615f3ecdcf20f1d08cebfa82d) |
| **Realized Interface** |  |

### **Attribute Detail**

#### alternate\_text

|  |  |
| --- | --- |
| **Type** | Byte |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### data

|  |  |
| --- | --- |
| **Type** | Byte |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### media\_type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### uri

|  |  |
| --- | --- |
| **Type** | URI\_VALUE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENCAPSULATED |

## **Class** **ORDERED\_VALUE**

1872616523.jpg

1. ORDERED\_VALUE

|  |  |
| --- | --- |
| **Name** | ORDERED\_VALUE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::ORDERED\_VALUE |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Relation Detail**

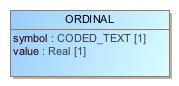
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ORDINAL |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTIFIED |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

## **Class** **ORDINAL**



1. ORDINAL

|  |  |
| --- | --- |
| **Name** | ORDINAL |
| **Qualified Name** | CIMI Reference Model::Data Value Types::ORDINAL |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ORDERED\_VALUE](#_96b06f355e0af8b57220709c34a37554) |
| **Realized Interface** |  |

### **Attribute Detail**

#### symbol

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### value

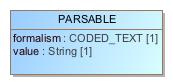
|  |  |
| --- | --- |
| **Type** | Real |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ORDERED\_VALUE |

## **Class** **PARSABLE**



1. PARSABLE

|  |  |
| --- | --- |
| **Name** | PARSABLE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::PARSABLE |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [ENCAPSULATED](#_be6e861615f3ecdcf20f1d08cebfa82d) |
| **Realized Interface** |  |

### **Attribute Detail**

#### formalism

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ENCAPSULATED |

## **Class** **PLAIN\_TEXT**



1. PLAIN\_TEXT

|  |  |
| --- | --- |
| **Name** | PLAIN\_TEXT |
| **Qualified Name** | CIMI Reference Model::Data Value Types::PLAIN\_TEXT |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [TEXT](#_47851624ea09cdeded4e21bb6ec4bf1c) |
| **Realized Interface** |  |

### **Attribute Detail**

#### language

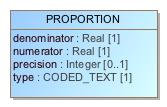
|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TEXT |

## **Class** **PROPORTION**



1. PROPORTION

|  |  |
| --- | --- |
| **Name** | PROPORTION |
| **Qualified Name** | CIMI Reference Model::Data Value Types::PROPORTION |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [AMOUNT](#_83d40230005665e782ff8ab848072244) |
| **Realized Interface** |  |

### **Attribute Detail**

#### denominator

|  |  |
| --- | --- |
| **Type** | Real |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### numerator

|  |  |
| --- | --- |
| **Type** | Real |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### precision

|  |  |
| --- | --- |
| **Type** | Integer |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AMOUNT |

## **Class** **QUANTIFIED**



1. QUANTIFIED

|  |  |
| --- | --- |
| **Name** | QUANTIFIED |
| **Qualified Name** | CIMI Reference Model::Data Value Types::QUANTIFIED |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [ORDERED\_VALUE](#_96b06f355e0af8b57220709c34a37554) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value\_status

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

### **Relation Detail**

#### Dependency

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QuantifiedValueStatusEnum |

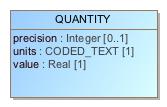
#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ORDERED\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATE\_TIME |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AMOUNT |

## **Class** **QUANTITY**



1. QUANTITY

|  |  |
| --- | --- |
| **Name** | QUANTITY |
| **Qualified Name** | CIMI Reference Model::Data Value Types::QUANTITY |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [AMOUNT](#_83d40230005665e782ff8ab848072244) |
| **Realized Interface** |  |

### **Attribute Detail**

#### precision

|  |  |
| --- | --- |
| **Type** | Integer |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### units

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | Real |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

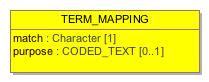
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DURATION |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * AMOUNT |

## **Class** **TERM\_MAPPING**



1. TERM\_MAPPING

|  |  |
| --- | --- |
| **Name** | TERM\_MAPPING |
| **Qualified Name** | CIMI Reference Model::Data Value Types::TERM\_MAPPING |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

### **Attribute Detail**

#### match

|  |  |
| --- | --- |
| **Type** | Character |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### purpose

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..1 |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TEXT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CODED\_TEXT |

#### Dependency

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TermMappingMatchEnum |

## **Class** **TEXT**



1. TEXT

|  |  |
| --- | --- |
| **Name** | TEXT |
| **Qualified Name** | CIMI Reference Model::Data Value Types::TEXT |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Attribute Detail**

#### mapping

|  |  |
| --- | --- |
| **Type** | TERM\_MAPPING |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### value

|  |  |
| --- | --- |
| **Type** | String |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TERM\_MAPPING |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * CODED\_TEXT |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PLAIN\_TEXT |

## **Class** **TIME**



1. TIME

|  |  |
| --- | --- |
| **Name** | TIME |
| **Qualified Name** | CIMI Reference Model::Data Value Types::TIME |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATE\_TIME](#_378aeb51f62d8e17a562ba5710b99a7c) |
| **Realized Interface** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATE\_TIME |

## **Class** **URI\_VALUE**



1. URI\_VALUE

|  |  |
| --- | --- |
| **Name** | URI\_VALUE |
| **Qualified Name** | CIMI Reference Model::Data Value Types::URI\_VALUE |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value

|  |  |
| --- | --- |
| **Type** | URI |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

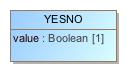
### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * EHR\_URI |

## **Class** **YESNO**



1. YESNO

|  |  |
| --- | --- |
| **Name** | YESNO |
| **Qualified Name** | CIMI Reference Model::Data Value Types::YESNO |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [DATA\_VALUE](#_faa8ba645fc337dd0e4c39b29a6c4547) |
| **Realized Interface** |  |

### **Attribute Detail**

#### value

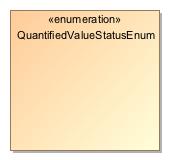
|  |  |
| --- | --- |
| **Type** | Boolean |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * DATA\_VALUE |

## **Enumeration** **QuantifiedValueStatusEnum**



1. QuantifiedValueStatusEnum

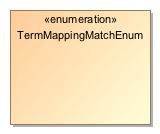
|  |  |
| --- | --- |
| **Name** | QuantifiedValueStatusEnum |
| **Qualified Name** | CIMI Reference Model::Data Value Types::QuantifiedValueStatusEnum |
| **Visibility** | public |
| **Base Classifier** |  |

### **Relation Detail**

#### Dependency

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * QUANTIFIED |

## **Enumeration** **TermMappingMatchEnum**



1. TermMappingMatchEnum

|  |  |
| --- | --- |
| **Name** | TermMappingMatchEnum |
| **Qualified Name** | CIMI Reference Model::Data Value Types::TermMappingMatchEnum |
| **Visibility** | public |
| **Base Classifier** |  |

### **Relation Detail**

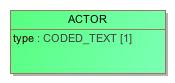
#### Dependency

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * TERM\_MAPPING |

# **Package CIMI Reference Model::Party**

|  |  |
| --- | --- |
| **Name** | Party |
| **Qualified Name** | CIMI Reference Model::Party |

## **Class** **ACTOR**



1. ACTOR

|  |  |
| --- | --- |
| **Name** | ACTOR |
| **Qualified Name** | CIMI Reference Model::Party::ACTOR |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PARTY](#_2d0c58ed38f8bb1e4b3c763571f78036) |
| **Realized Interface** |  |

### **Attribute Detail**

#### role

|  |  |
| --- | --- |
| **Type** | ROLE |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ROLE |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

## **Class** **PARTY**



1. PARTY

|  |  |
| --- | --- |
| **Name** | PARTY |
| **Qualified Name** | CIMI Reference Model::Party::PARTY |
| **Visibility** | public |
| **Abstract** | true |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Attribute Detail**

#### details

|  |  |
| --- | --- |
| **Type** | ITEM |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### relationship

|  |  |
| --- | --- |
| **Type** | PARTY\_RELATIONSHIP |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY\_RELATIONSHIP |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTICIPATION |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY\_RELATIONSHIP |

#### Generalization

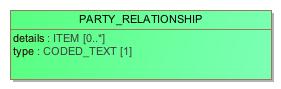
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * Party |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ROLE |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ACTOR |

## **Class** **PARTY\_RELATIONSHIP**



1. PARTY\_RELATIONSHIP

|  |  |
| --- | --- |
| **Name** | PARTY\_RELATIONSHIP |
| **Qualified Name** | CIMI Reference Model::Party::PARTY\_RELATIONSHIP |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [LOCATABLE](#_ce753fb1d3975ecb7f515d0bdfcd131b) |
| **Realized Interface** |  |

### **Attribute Detail**

#### details

|  |  |
| --- | --- |
| **Type** | ITEM |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 0..\* |
| **Definition** |  |

#### target

|  |  |
| --- | --- |
| **Type** | PARTY |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

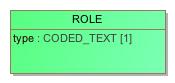
|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PartyRelationship |

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * LOCATABLE |

## **Class** **ROLE**



1. ROLE

|  |  |
| --- | --- |
| **Name** | ROLE |
| **Qualified Name** | CIMI Reference Model::Party::ROLE |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** | * [PARTY](#_2d0c58ed38f8bb1e4b3c763571f78036) |
| **Realized Interface** |  |

### **Attribute Detail**

#### type

|  |  |
| --- | --- |
| **Type** | CODED\_TEXT |
| **Default Value** |  |
| **Visibility** | public |
| **Multiplicity** | 1 |
| **Definition** |  |

### **Relation Detail**

#### Association

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * ACTOR |

#### Generalization

|  |  |
| --- | --- |
| **Name** |  |
| **Related Element** | * PARTY |

# **Package CIMI Reference Model::Primitive Types**

|  |  |
| --- | --- |
| **Name** | Primitive Types |
| **Qualified Name** | CIMI Reference Model::Primitive Types |

## **Class** **Any**

1784429252.jpg

1. Any

|  |  |
| --- | --- |
| **Name** | Any |
| **Qualified Name** | CIMI Reference Model::Primitive Types::Any |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

## **Class** **Array**

2000638326.jpg

1. Array

|  |  |
| --- | --- |
| **Name** | Array |
| **Qualified Name** | CIMI Reference Model::Primitive Types::Array |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

## **Class** **List**

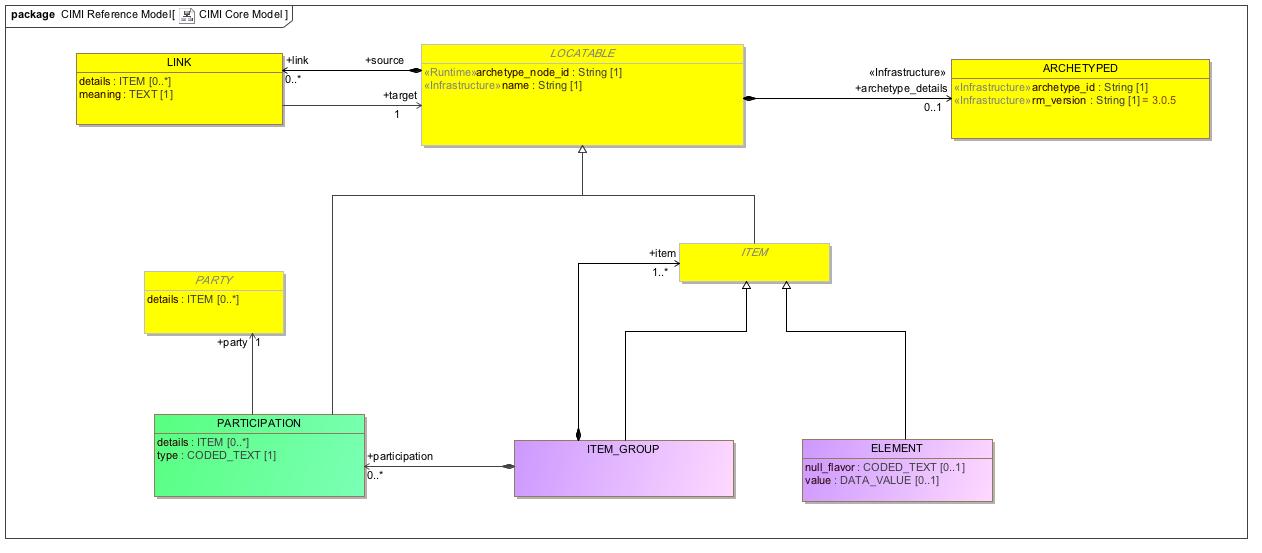
874879303.jpg

1. List

|  |  |
| --- | --- |
| **Name** | List |
| **Qualified Name** | CIMI Reference Model::Primitive Types::List |
| **Visibility** | public |
| **Abstract** | false |
| **Base Classifier** |  |
| **Realized Interface** |  |

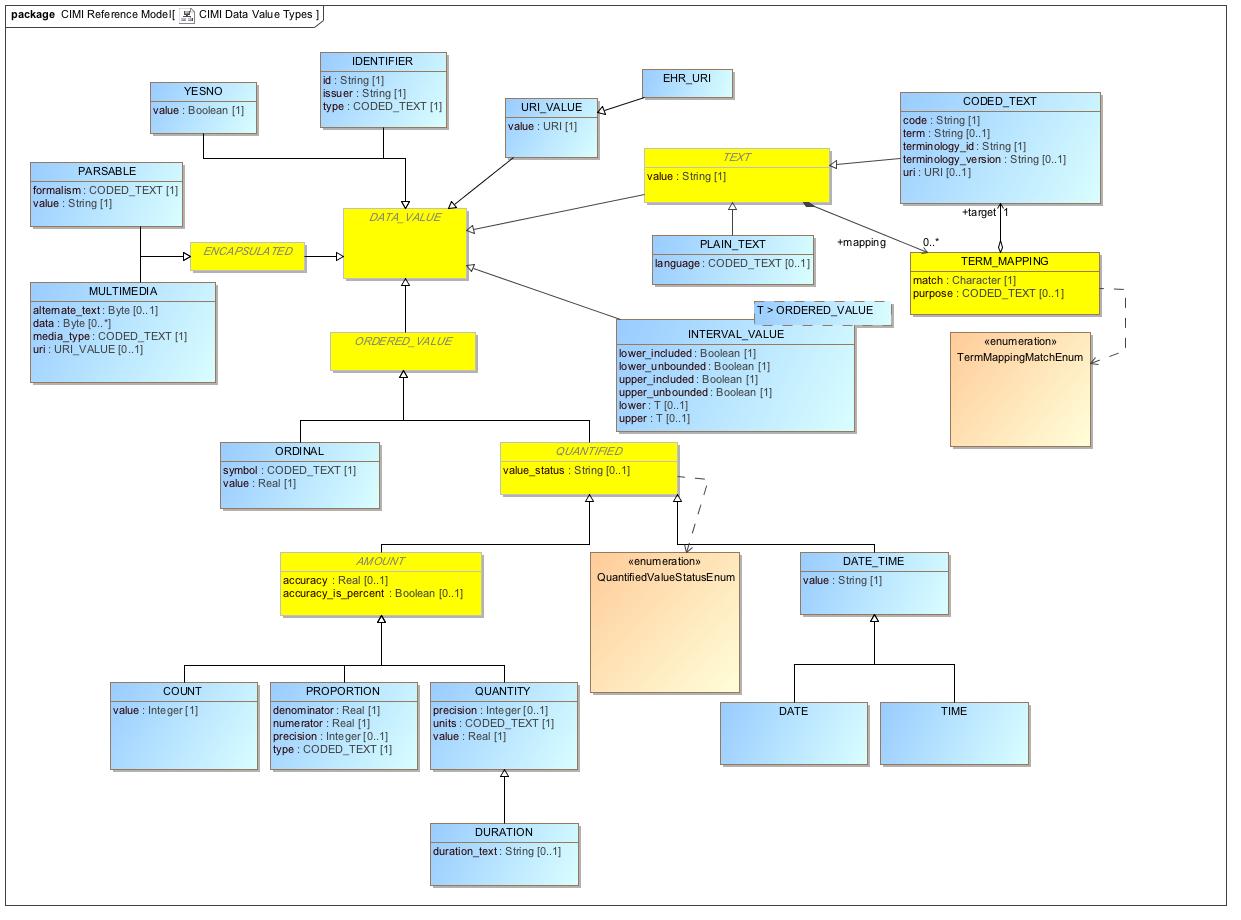
# **Appendix A: Diagram**

## **CIMI Core Model**



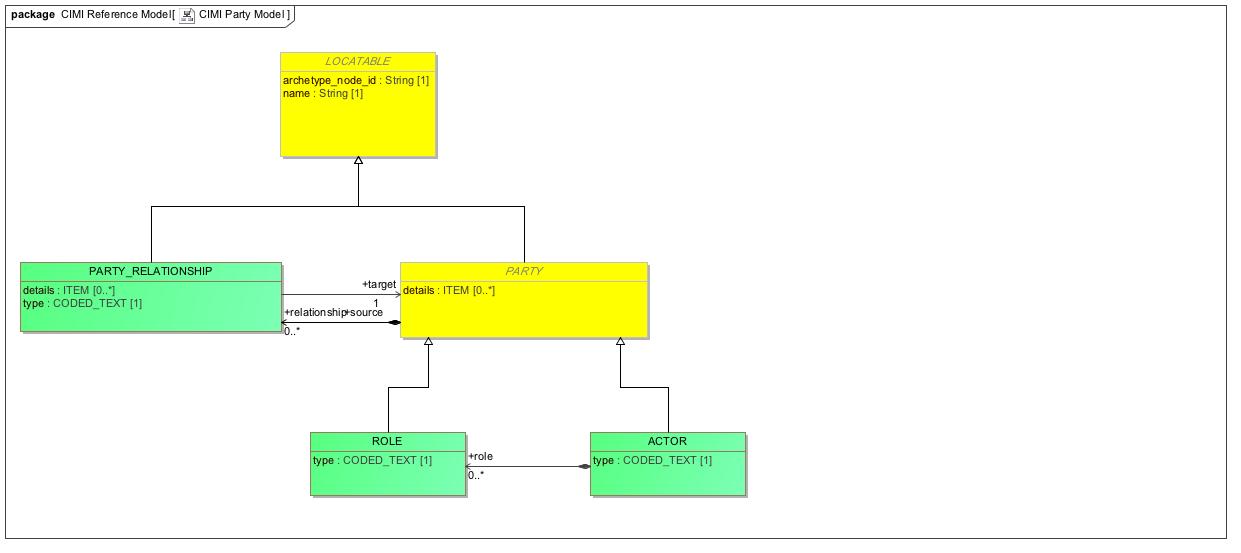
1. CIMI Core Model

## **CIMI Data Value Types**



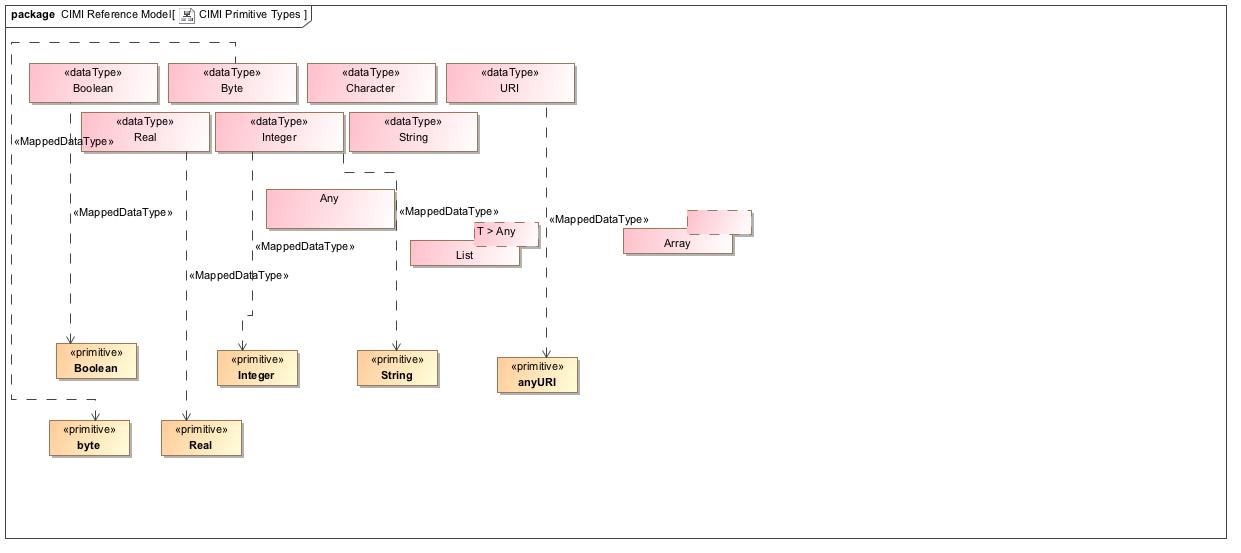
1. CIMI Data Value Types

## **CIMI Party Model**



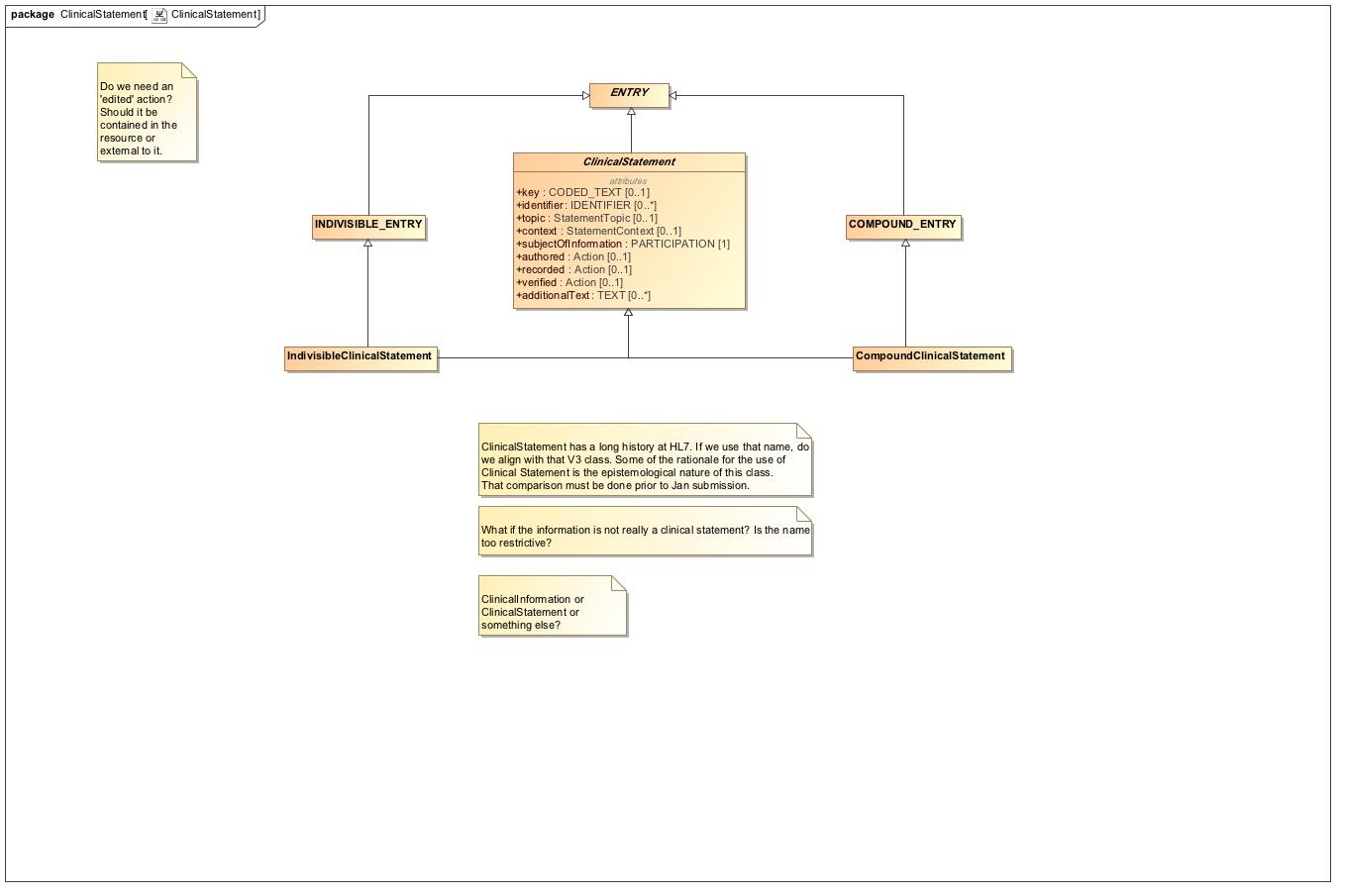
1. CIMI Party Model

## **CIMI Primitive Types**



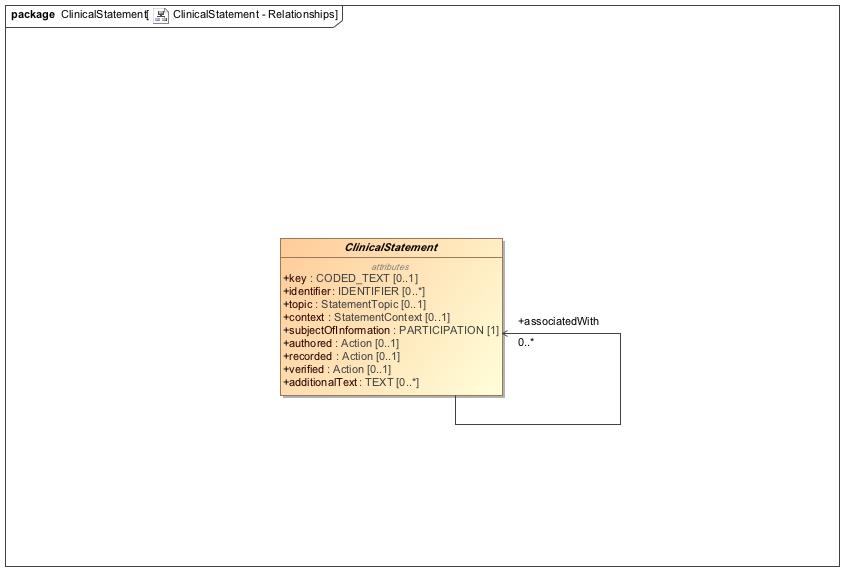
1. CIMI Primitive Types

## **ClinicalStatement**



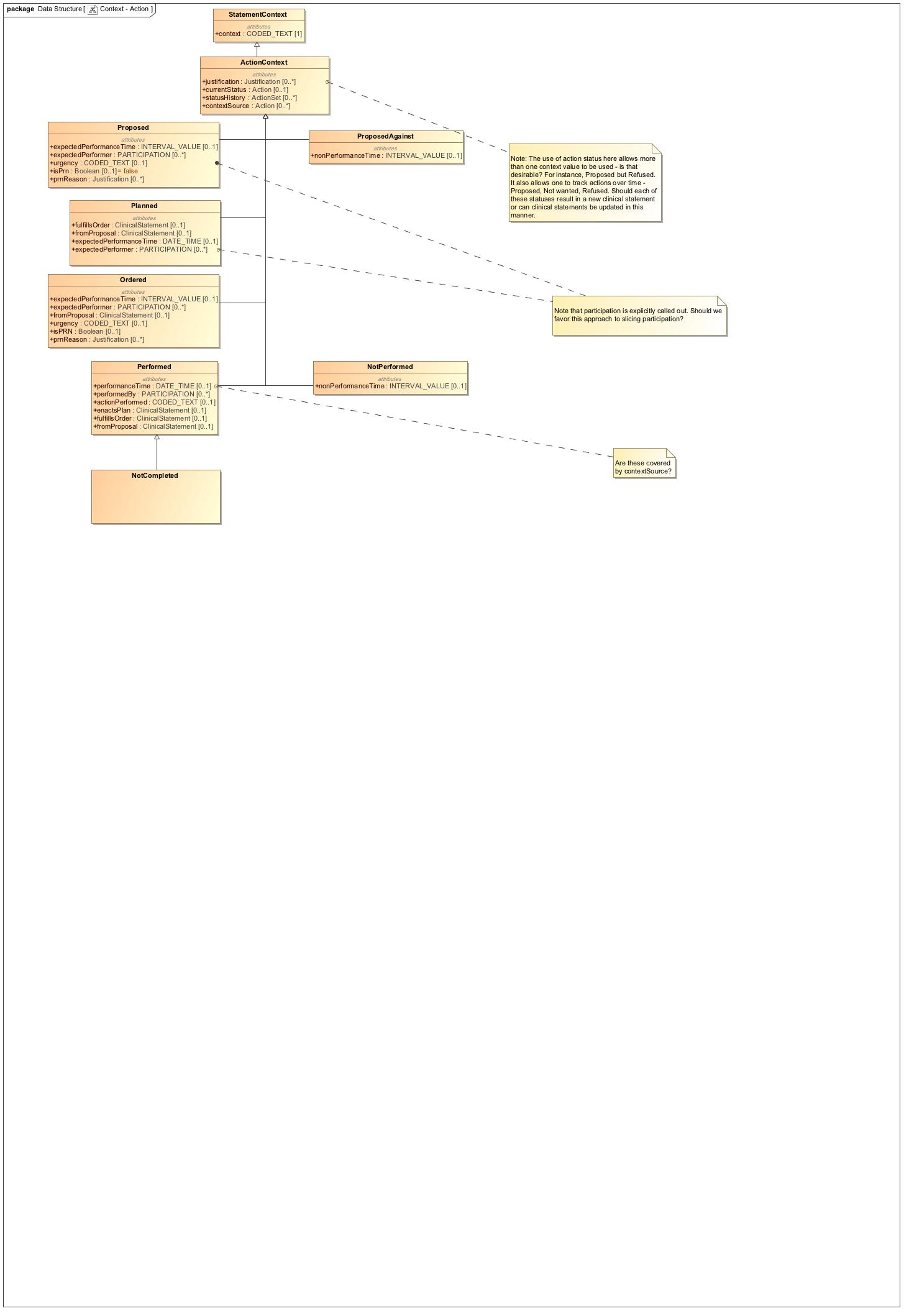
1. ClinicalStatement

## **ClinicalStatement - Relationships**



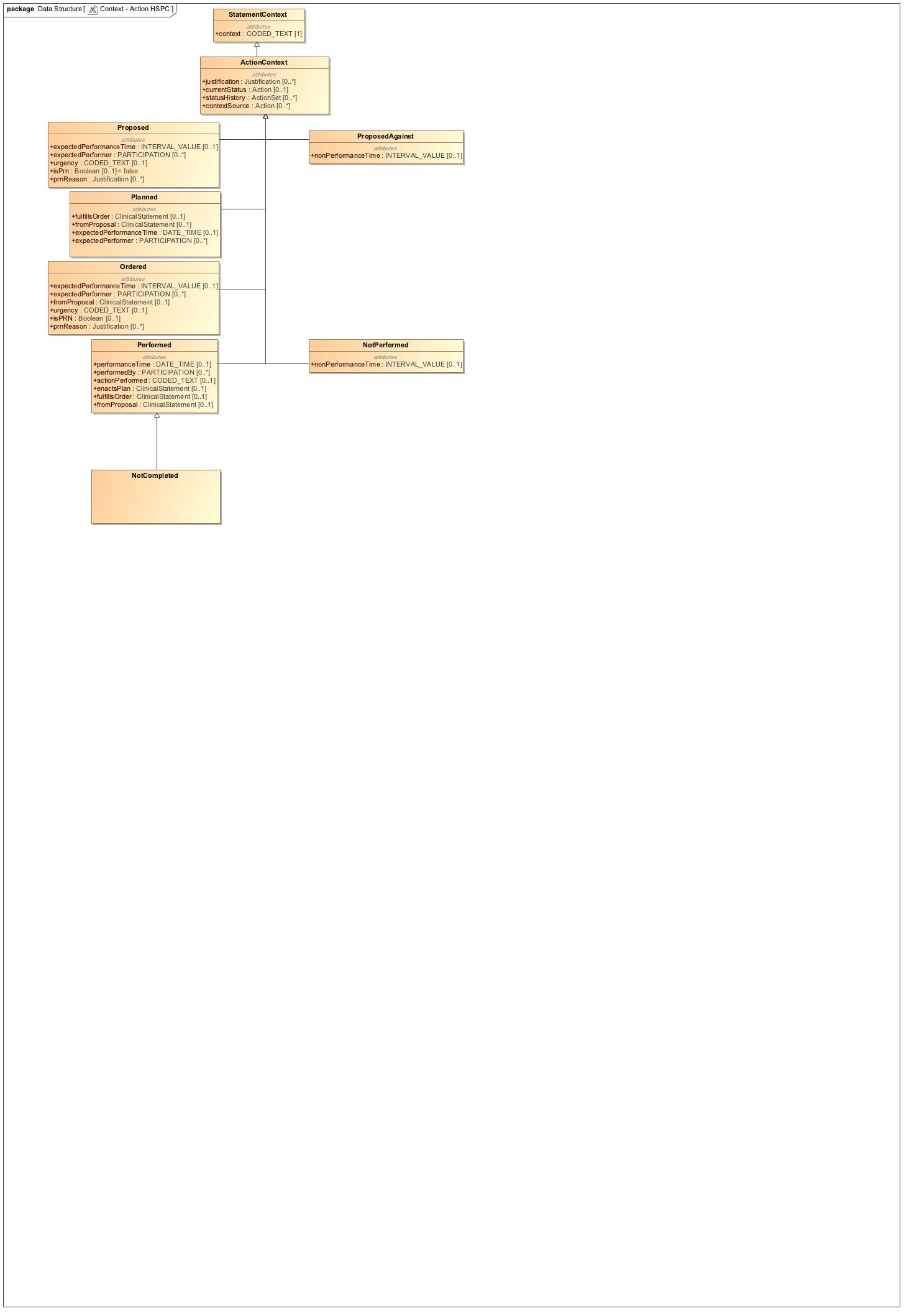
1. ClinicalStatement - Relationships

## **Context - Action**



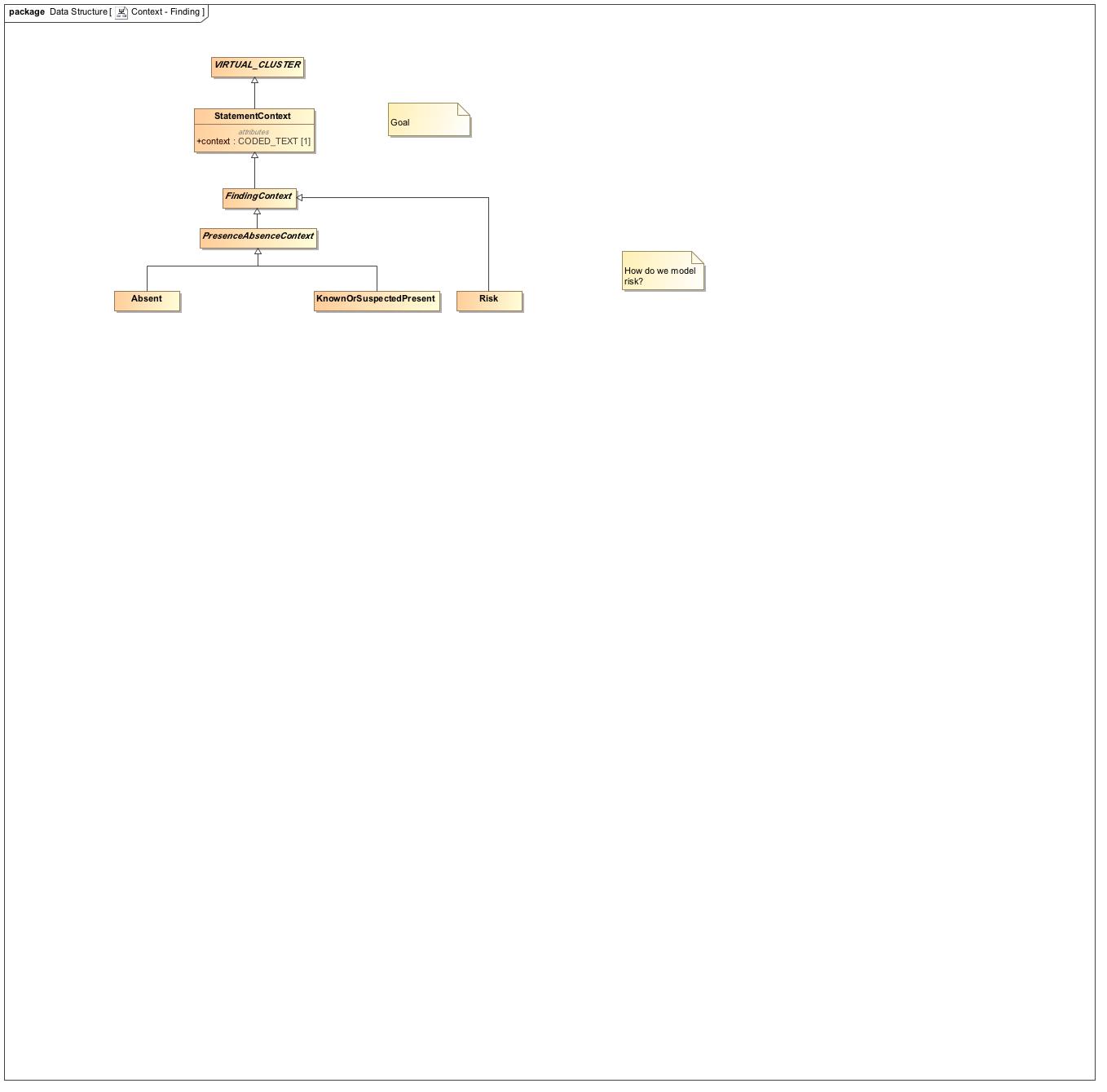
1. Context - Action

## **Context - Action HSPC**



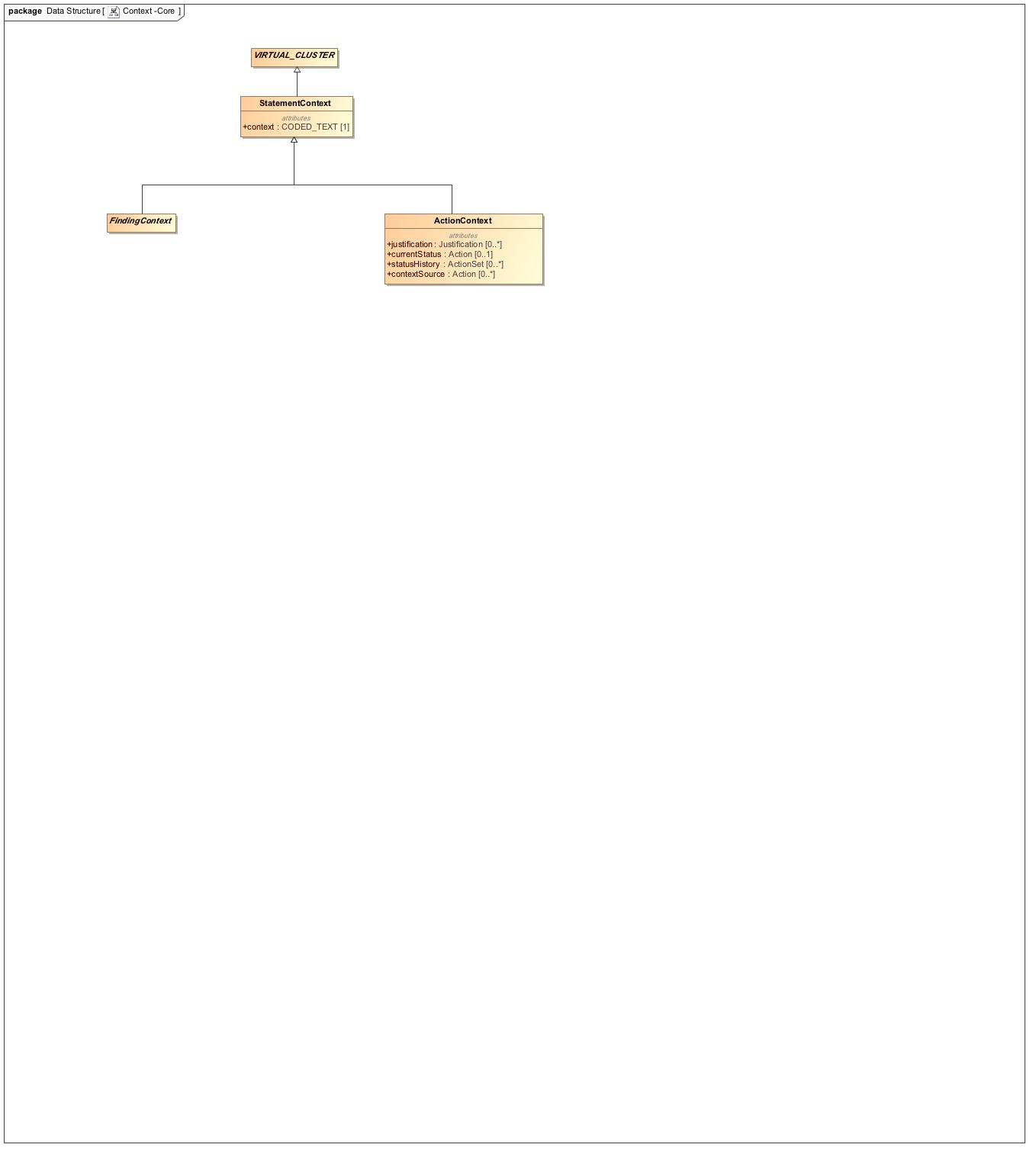
1. Context - Action HSPC

## **Context - Finding**



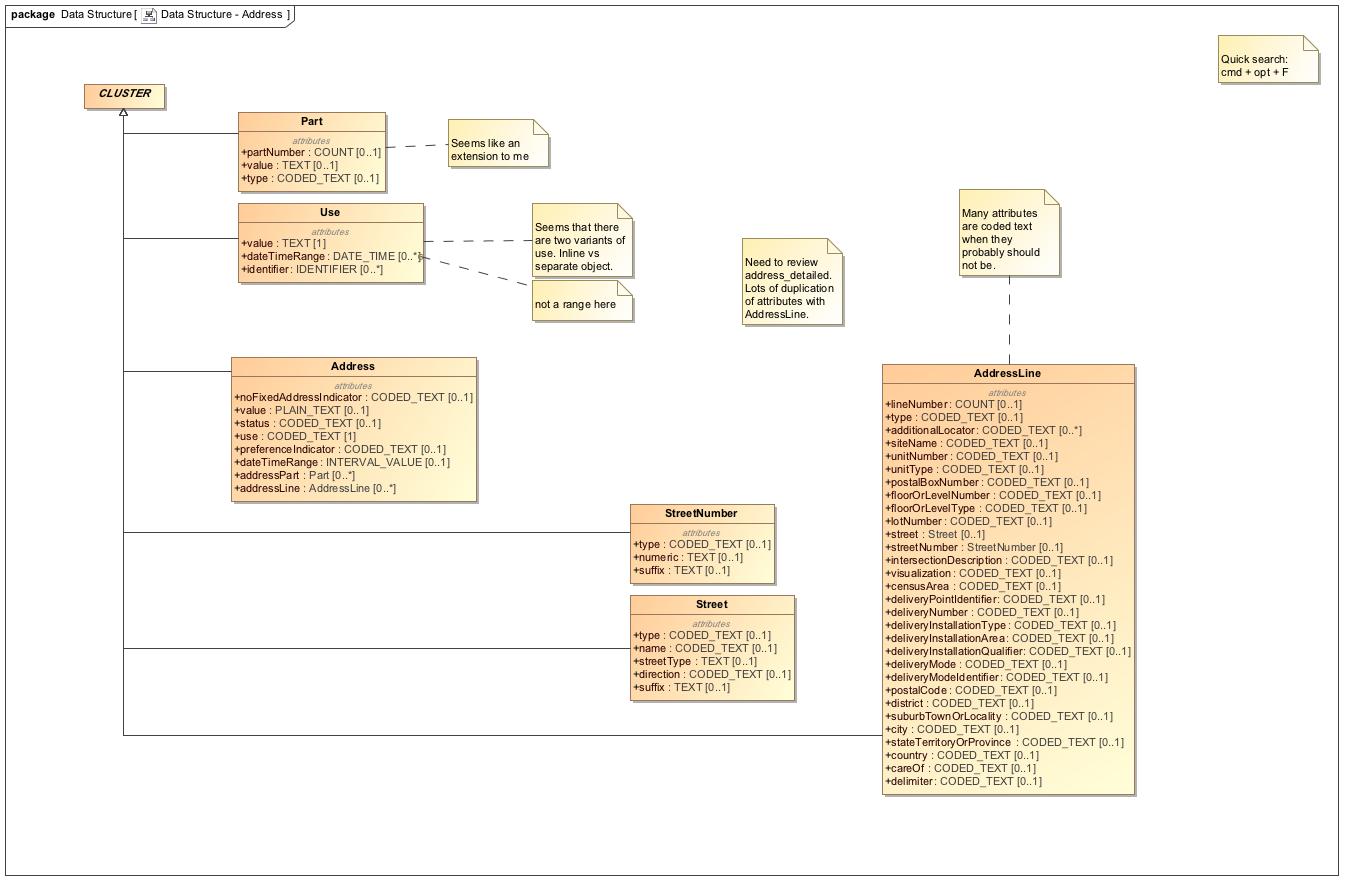
1. Context - Finding

## **Context -Core**



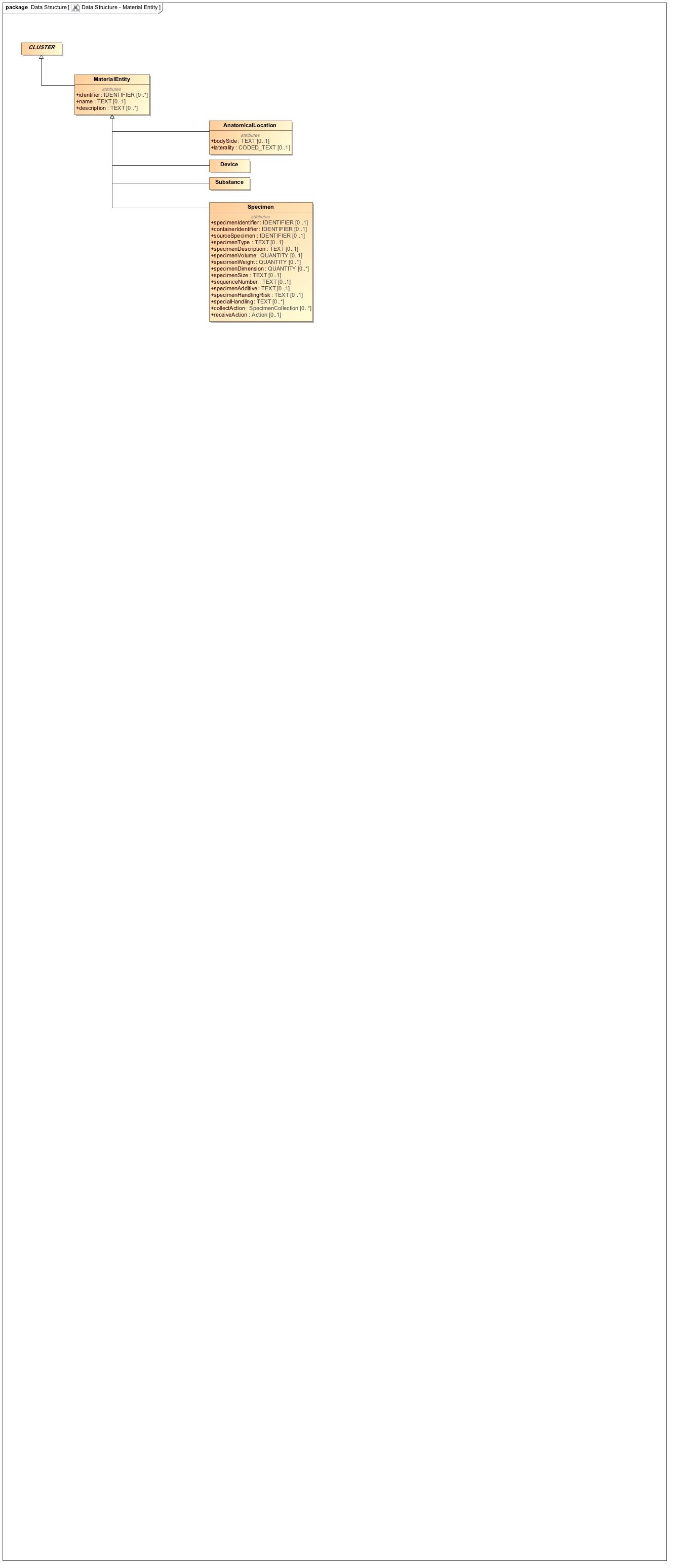
1. Context -Core

## **Data Structure - Address**



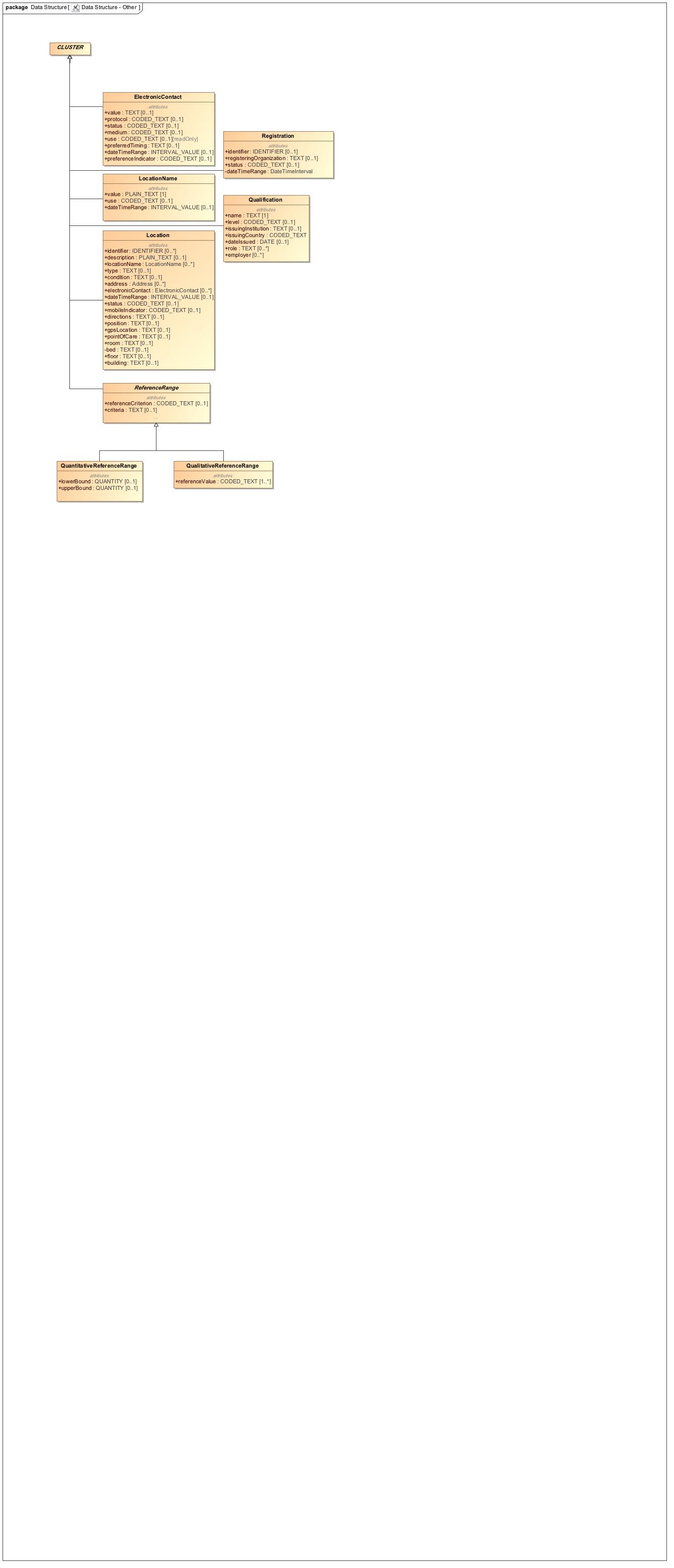
1. Data Structure - Address

## **Data Structure - Material Entity**



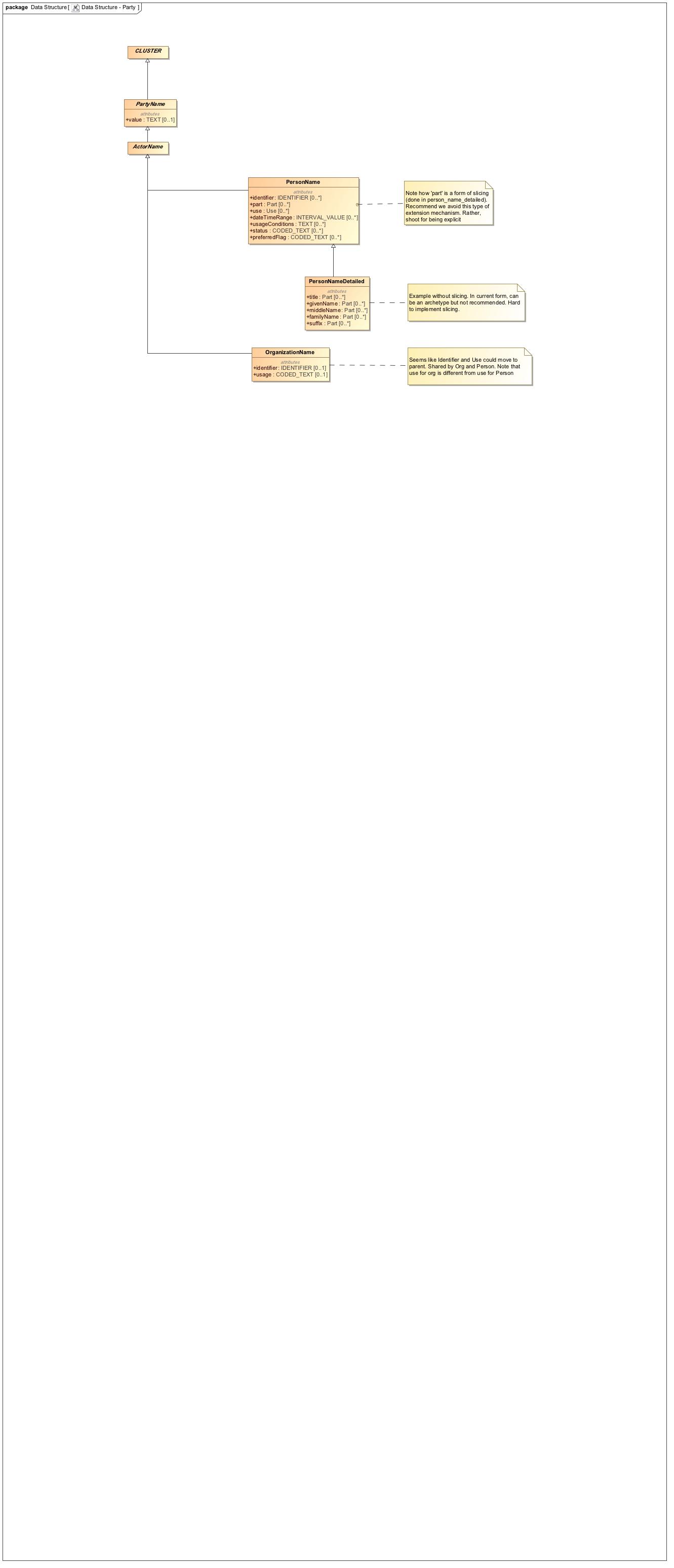
1. Data Structure - Material Entity

## **Data Structure - Other**



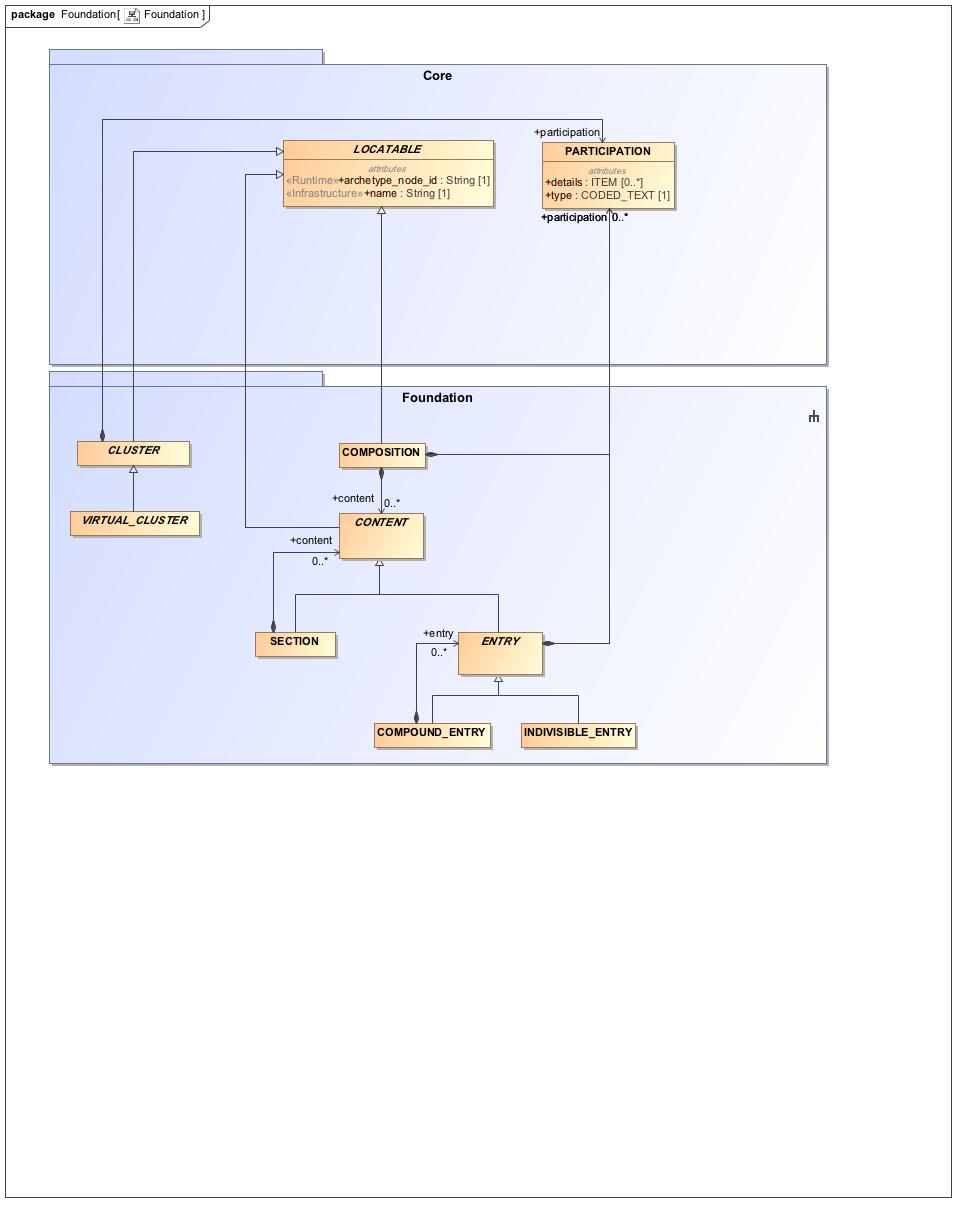
1. Data Structure - Other

## **Data Structure - Party**



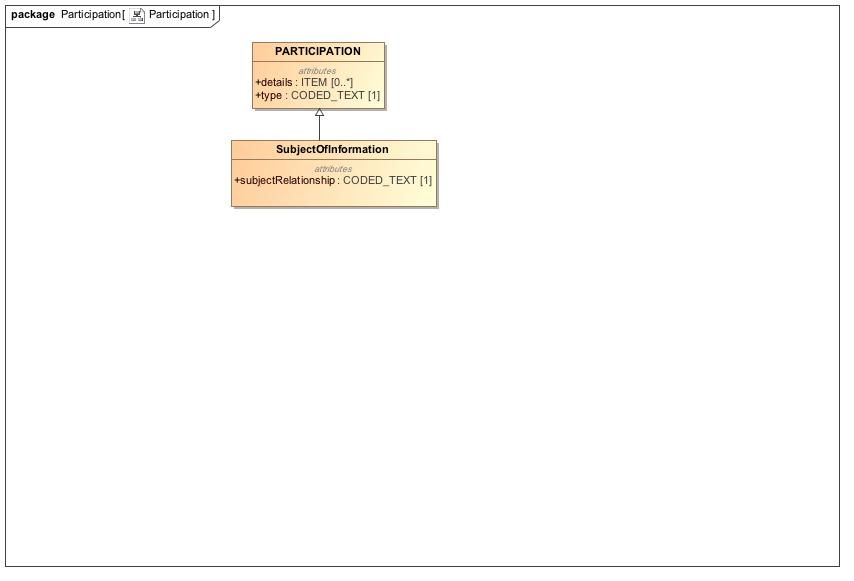
1. Data Structure - Party

## **Foundation**



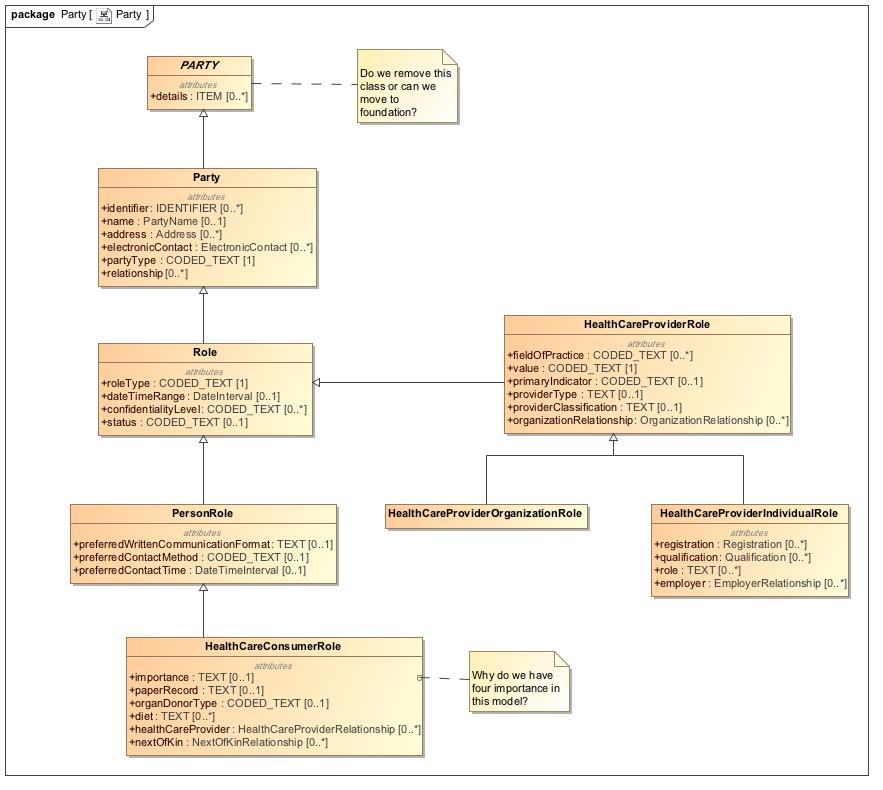
1. Foundation

## **Participation**



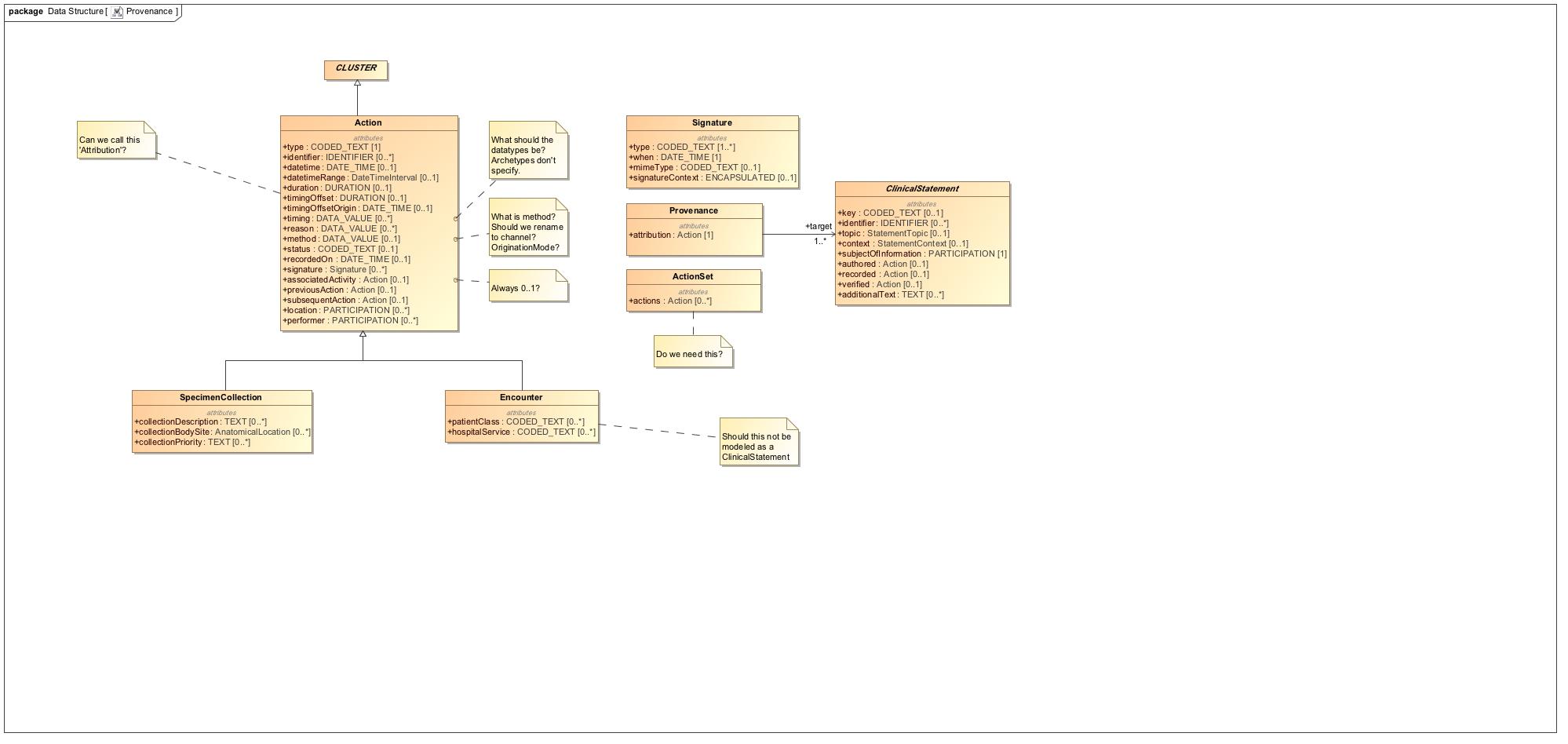
1. Participation

## **Party**



1. Party

## **Provenance**



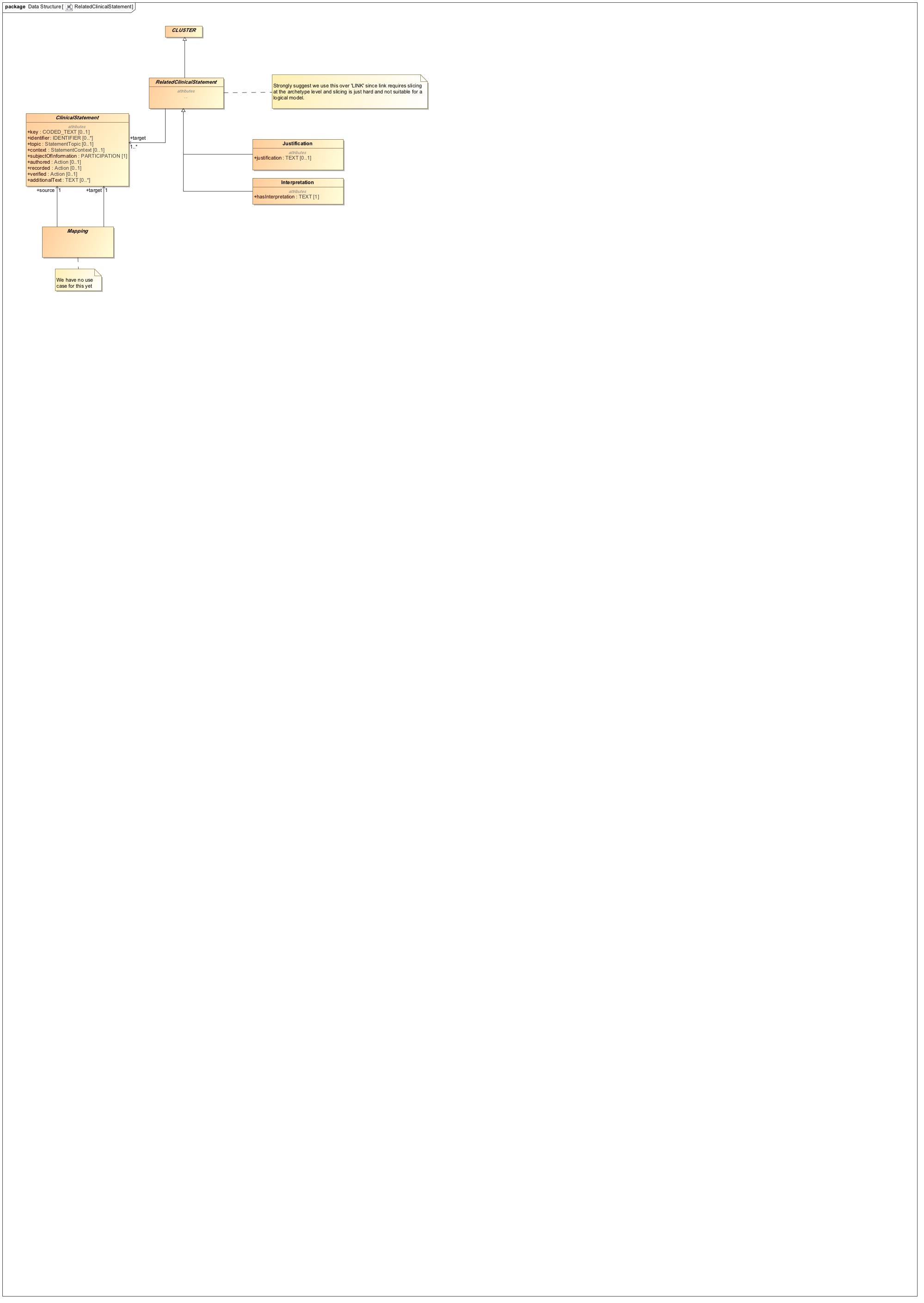
1. Provenance

## **Redefined Intervals**



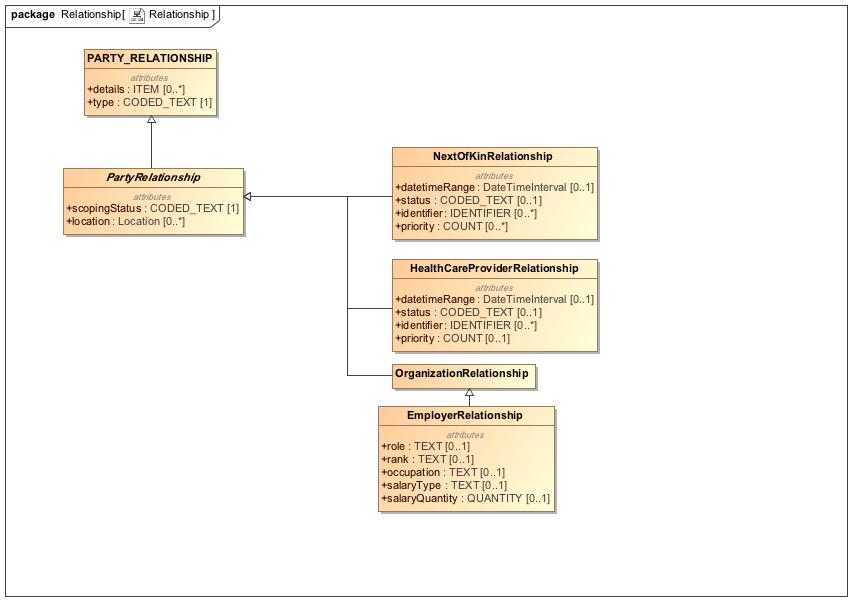
1. Redefined Intervals

## **RelatedClinicalStatement**



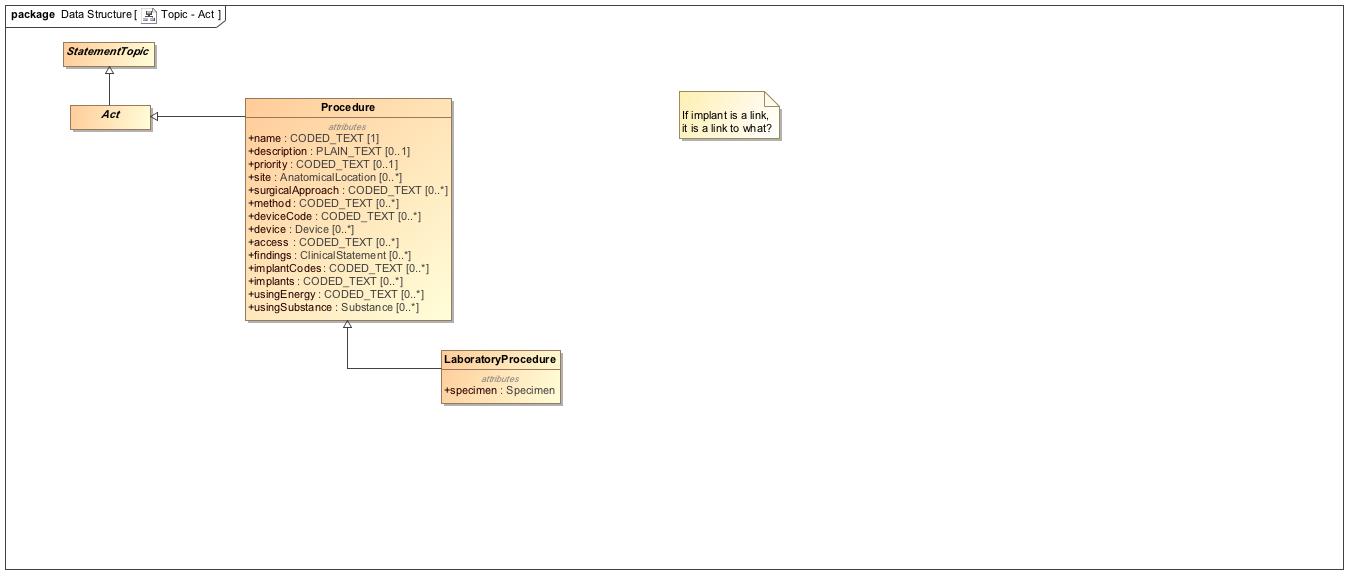
1. RelatedClinicalStatement

## **Relationship**



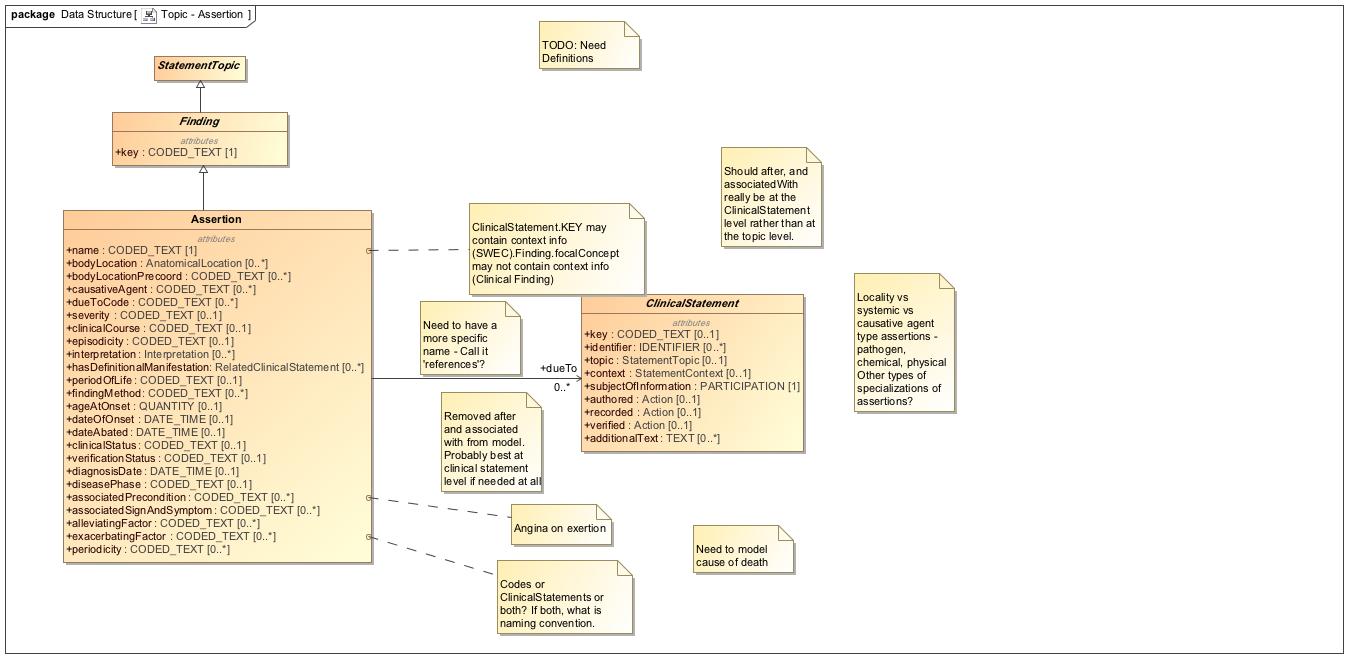
1. Relationship

## **Topic - Act**



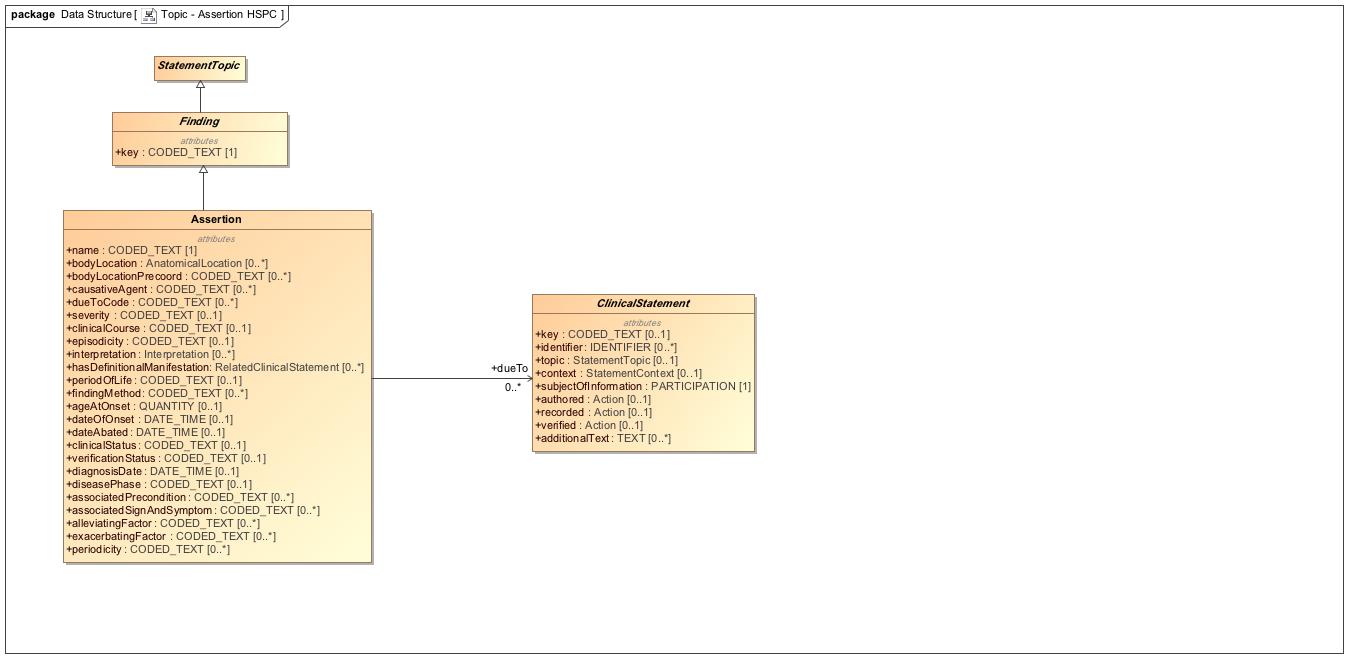
1. Topic - Act

## **Topic - Assertion**



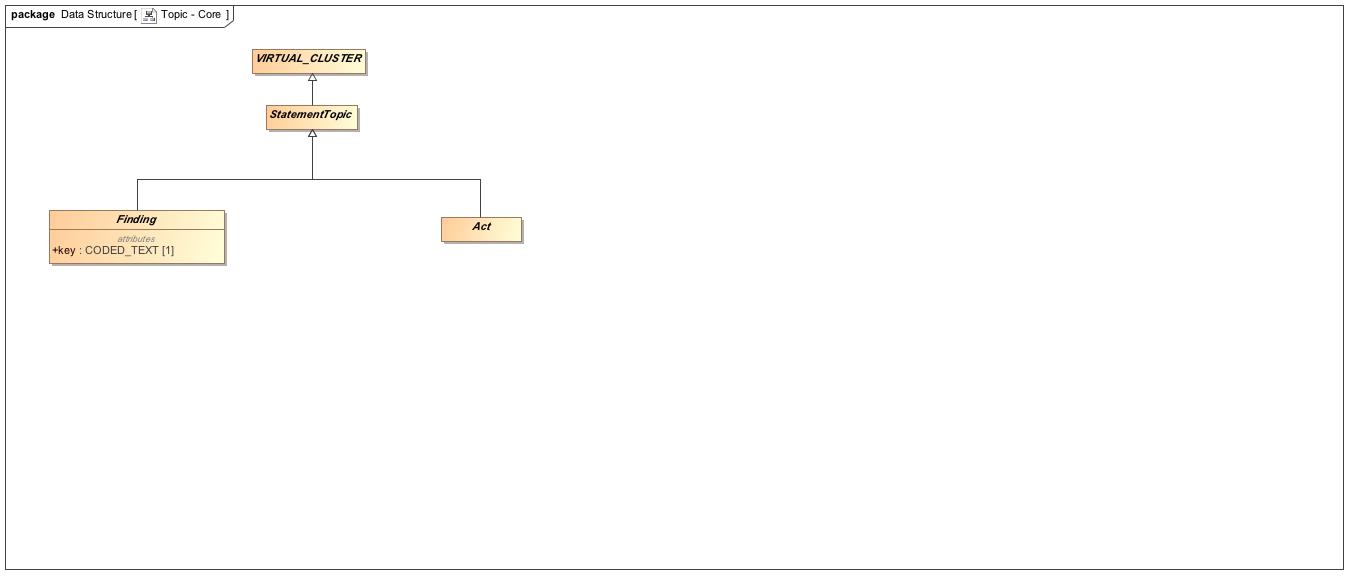
1. Topic - Assertion

## **Topic - Assertion HSPC**



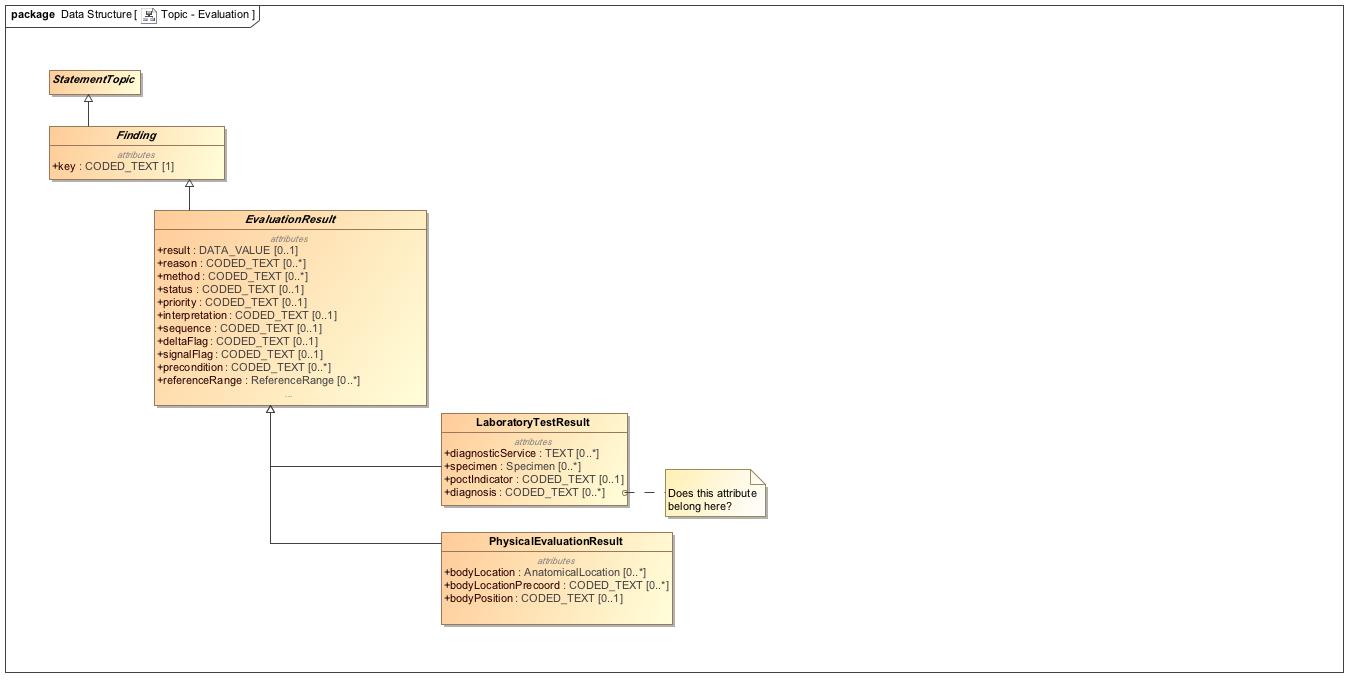
1. Topic - Assertion HSPC

## **Topic - Core**



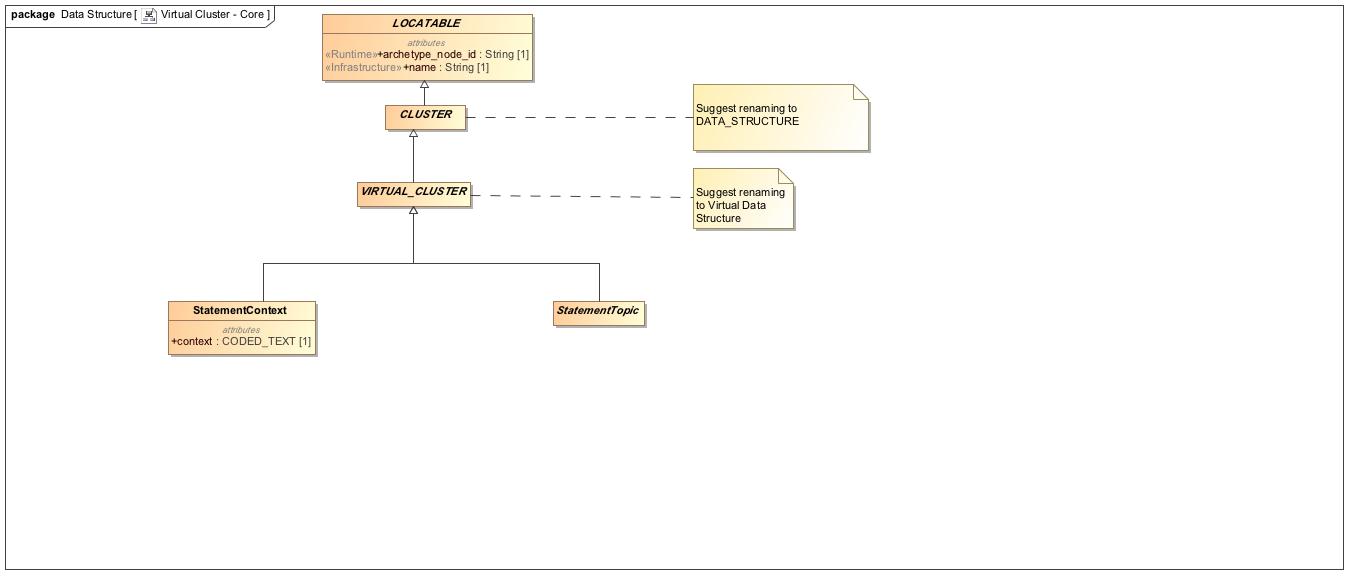
1. Topic - Core

## **Topic - Evaluation**



1. Topic - Evaluation

## **Virtual Cluster - Core**



1. Virtual Cluster - Core