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Subject Area: **MET_Data_type_model**
Contains classes: Composite_data_type
                  Data_type
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                  Data_type_component
                  Data_type_generalization
                  Generic_type_parameter
                  V23_data_type
                  V23_field_segment
                  V23_fields
                  V23_segments

Subject Area: **MET_Hierarchical_message_description**
Contains classes: Hierarchical_message_description
                  HMD_attribute_row
                  HMD_class_row
                  HMD_domain_constraint
                  HMD_notation
                  HMD_other_row
                  HMD_relationship_row
                  HMD_row
                  Message_row_control
                  Message_type
                  Union_message_type

Subject Area: **MET_Information_model**
Contains classes: Alias_name
                  Association
                  Attribute
                  Attribute_domain_constraint
                  Attribute_type
                  Class
                  Composite_aggregation
Subject Area: **MET_Interaction_model**

Contains classes:
- Application_role
- Interaction
- Interaction_model_category
- Interaction_sequence
- Storyboard
- Storyboard_example
- Trigger_event
- Use_case
- Use_case_sequence

Subject Area: **MET_Message_information_model**

Contains classes:
- Message_information_model
- MIM_aggregation
- MIM_association
- MIM_attribute
- MIM_attribute_domain_constraint
- MIM_class
- MIM_generalization
- MIM_relationship
- MIM_state

Subject Area: **MET_Model_identification_and_scope**

Contains classes:
- HL7_committee
- Model
- Project

Subject Area: **MET_Refined_message_information_model**

Contains classes:
- Refined_message_information_model
- RMIM_attribute_row
- RMIM_class_row
- RMIM_notation
- RMIM_note
- RMIM_other_row
- RMIM_relationship_row
- RMIM_row
- RMIM_state_row

Subject Area: **MET_Vocabulary_domain_model**

Contains classes:
- Code_system
- Coded_term
- Concept_relationship
- Domain_version
- Observation_id_link
- Vocabulary_concept
Class: Actor

Is part of: Model

Associated with: Use_case
Use_case_category

Attributes of Actor

description : DescriptiveText

history : CompoundHx

name : NameString

Class: Alias_name

Associations for: Alias_name

names :: (0..1) Attribute :: has_alias :: (0..n)

names :: (0..1) Class :: has_alias :: (0..n)

Attributes of Alias_name

history : CompoundHx

name : NameString

use : Enumerated

Class: Application_role

Is part of: Model

Associations for: Application_role

receives :: (0..n) Interaction :: received_by :: (1..1)

sends :: (0..n) Interaction :: sent_by :: (1..1)

included_in :: (0..n) Interaction_model_category :: includes :: (0..n)

relates_to :: (1..1) Subject_class :: subject_of :: (0..n)

Attributes of Application_role

description : DescriptiveText

history : CompoundHx

identifier : IdentifierString

name : NameString
Class: Association

Associations for: Association

has_source :: (1..1) Class :: is_source :: (0..n)

has_target :: (1..1) Class :: is_target :: (0..n)

included_in :: (0..n) MIM_association :: includes :: (1..1)

Attributes of: Association

description : DescriptiveText

history : CompoundHx

inverse_name : NameString

name : NameString

source_multiplicity : MultiplicityString

target_multiplicity : MultiplicityString

Class: Attribute

Is part of: Class

Associations for: Attribute

has_alias :: (0..n) Alias_name :: names :: (0..1)

constrained_by :: (0..1) Attribute_domain_constraint :: constrains :: (0..n)

is_of_type :: (1..1) Attribute_type :: types :: (0..n)

is_of_type :: (0..1) Data_type :: types :: (0..n)

included_in :: (0..n) MIM_attribute :: includes :: (1..1)

is_state_attribute_for :: (0..1) Subject_class :: has_state_attribute :: (1..1)

had_V23_type :: (1..1) V23_data_type :: typed :: (0..n)

based_on :: (0..n) V23_fields :: is_source_for :: (0..n)

stems_from :: (0..n) V23_segments :: source_of :: (0..n)

Attributes of: Attribute

description : DescriptiveText

history : CompoundHx

inclusion : Boolean
name : NameString
repeatability : Boolean

Class: Attribute_domain_constraint

Associations for: Attribute_domain_constraint

constrains :: (0..n) Attribute :: constrained_by :: (0..1)

links_domain :: (1..1) Vocabulary_concept :: is_constraint :: (0..n)

Attributes of: Attribute_domain_constraint

strength : String

Class: Attribute_type

Associations for: Attribute_type

types :: (0..n) Attribute :: is_of_type :: (1..1)

implemented_by :: (0..1) Data_type :: implements :: (1..n)

Attributes of: Attribute_type

history : CompoundHx
name : NameString
short_name : NameString
usage : DescriptiveText

Class: Class

Supertype of: Subject_class

Composite of: Attribute

Composition for: Class

has (0,n) :: Attribute :: in (1,1)

Associations for: Class

has_alias :: (0..n) Alias_name :: names :: (0..1)

is_source :: (0..n) Association :: has_source :: (1..1)

is_target :: (0..n) Association :: has_target :: (1..1)

is_composite :: (0..n) Composite_aggregation :: has_composite :: (1..1)
is_part :: (0..n) Composite_aggregation :: has_part :: (1..1)

is_subtype :: (0..n) Generalization_relationship :: has_subtype :: (1..1)

is_super_type :: (0..n) Generalization_relationship :: has_super_type :: (1..1)

included_in :: (0..n) MIM_class :: includes :: (1..1)

appears_in :: (0..n) Subject_area :: includes :: (1..n)

primarily_resides_in :: (0..1) Subject_area :: holds :: (1..n)

Attributes of: Class

description : DescriptiveText

history : CompoundHx

isAbstract : Boolean

name : NameString

Class: Code_system

Associations for: Code_system

has_terms :: (0..n) Coded_term :: is_part_of :: (1..1)

is_basis_for :: (0..n) Vocabulary_concept :: has_basis_in :: (0..1)

Attributes of: Code_system

organization : String

set_name : String

system_version : String

systemName : String

tableID : String

Class: Coded_term

Is part of: Domain_version

Associations for: Coded_term

is_part_of :: (1..1) Code_system :: has_terms :: (0..n)

linked_to_set :: (0..n) Observation_id_link :: links_obs_term :: (1..1)

represents :: (0..1) Vocabulary_concept :: is_represented_by :: (0..n)

Attributes of: Coded_term
code : String

definition : DescriptiveText

displayName : String

edit_note : DescriptiveText

language_cd : Enumerated

mapping_quality : Enumerated

status : CodedElement

system_version_in : String

system_version_out : String

version_out : Integer

Class: Composite_aggregation

Associations for: Composite_aggregation

has_composite :: (1..1) Class :: is_composite :: (0..n)

has_part :: (1..1) Class :: is_part :: (0..n)

included_in :: (0..n) MIM_aggregation :: includes :: (1..1)

Attributes of: Composite_aggregation

composite_to_part_phrase : NameString

description : DescriptiveText

history : CompoundHx

part_multiplicity : MultiplicityString

part_to_composite_phrase : NameString

Class: Composite_data_type

Subtype of: Data_type

Composition for: Composite_data_type

contains (1,n) :: Data_type_component :: belongs_to (1,1)

Class: Concept_relationship

Is part of: Domain_version
Associations for: Concept_relationship

has_container :: (1..1) Vocabulary_concept :: is_containing_concept :: (0..n)

links_content :: (1..1) Vocabulary_concept :: is_contained_concept :: (0..n)

Attributes of: Concept_relationship

edit_note : DescriptiveText

generality : Enumerated

operator : Enumerated

sequence : Integer

status : CodedElement

type_cd : Enumerated

version_out : Integer

Class: Data_type

Supertype of: Composite_data_type

Generic_type_parameter

Is part of: Model

Associations for: Data_type

types :: (0..n) Attribute :: is_of_type :: (0..1)

implements :: (1..n) Attribute_type :: implemented_by :: (0..1)

resides_in :: (0..n) Data_type_category :: contains :: (0..n)

types :: (0..n) Data_type_component :: is_of_type :: (1..1)

is_subtype :: (0..n) Data_type_generalization :: has_subtype :: (1..1)

is_supertype :: (0..n) Data_type_generalization :: has_supertype :: (1..1)

allowed_for :: (0..n) Generic_type_parameter :: has_allowed_types :: (0..n)

defined_by :: (0..n) Generic_type_parameter :: defines :: (1..1)

types :: (0..n) Generic_type_parameter :: has_instance_type :: (0..1)

is_working :: (0..n) MIM_attribute :: has_working :: (0..1)

Attributes of: Data_type

description : DescriptiveText

history : CompoundHx
is_internal : Boolean

name : NameString

type_code : String

Class: Data_type_category

Is part of: Model

Associations for: Data_type_category

contains :: (0..n) Data_type :: resides_in :: (0..n)

is_nested_in :: (0..1) Data_type_category :: nests :: (0..n)

nests :: (0..n) Data_type_category :: is_nested_in :: (0..1)

maintained_by :: (1..1) HL7_committee :: maintains :: (0..n)

Attributes of: Data_type_category

description : DescriptiveText

history : CompoundHx

name : NameString

Class: Data_type_component

Is part of: Composite_data_type

Associations for: Data_type_component

is_of_type :: (1..1) Data_type :: types :: (0..n)

Attributes of: Data_type_component

description : DescriptiveText

history : CompoundHx

is_reference : Boolean

name : NameString

Class: Data_type_generalization

Associations for: Data_type_generalization

has_subtype :: (1..1) Data_type :: is_subtype :: (0..n)

has_supertype :: (1..1) Data_type :: is_supertype :: (0..n)
Attributes of: **Data_type_generalization**

- description : DescriptiveText
- history : CompoundHx
- stereotype

---

**Class: Domain_version**

**Composition for: Domain_version**

- has (0,n) :: Coded_term :: in_version (1,1)
- has (0,n) :: Concept_relationship :: in_version (1,1)
- has (0,n) :: Observation_id_link :: in_version (1,1)
- has (0,n) :: Vocabulary_concept :: in_version (1,1)

Attributes of: **Domain_version**

- comment : DescriptiveText
- edit_dttm : DateTime
- editor_id : String
- for_whom_id : String
- version : Integer

---

**Class: Generalization_relationship**

**Associations for: Generalization_relationship**

- has_subtype :: (1..1) Class :: is_subtype :: (0..n)
- has_super_type :: (1..1) Class :: is_super_type :: (0..n)
- included_in :: (0..n) MIM_generalization :: includes :: (1..1)

Attributes of: **Generalization_relationship**

- description : DescriptiveText
- history : CompoundHx

---

**Class: Generic_type_parameter**

**Subtype of:** Data_type

**Associations for: Generic_type_parameter**

---

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defines :: (1..1) Data_type :: defined_by :: (0..n)

has_allowed_types :: (0..n) Data_type :: allowed_for :: (0..n)

has_instance_type :: (0..1) Data_type :: types :: (0..n)

Attributes of: Generic_type_parameter

value : String

Class: Hierarchical_message_description

Is part of: Model

Composition for: Hierarchical_message_description

contains (1,n) :: HMD_row :: is_part_of (1,1)

contains (1,n) :: Message_type :: is_part_of (1,1)

Associations for: Hierarchical_message_description

supports :: (1..1) Project :: implemented_by :: (0..n)

Attributes of: Hierarchical_message_description

description : DescriptiveText

history : CompoundHx

identifier : IdentifierString

name : NameString

Class: HL7_committee

Associations for: HL7_committee

maintains :: (0..n) Data_type_category :: maintained_by :: (1..1)

maintains :: (0..n) Interaction_model_category :: maintained_by :: (0..1)

defines :: (0..n) Message_information_model :: defined_by :: (1..1)

prepares :: (0..n) Model :: prepared_by :: (1..1)

responsible_for :: (0..n) Project :: responsibility_of :: (1..1)

maintains :: (0..n) Subject_area :: maintained_by :: (0..1)

maintains :: (0..n) Use_case_category :: maintained_by :: (0..1)

Attributes of: HL7_committee

facilitator : String
id : IdentifierString

mission : DescriptiveText

name : String

Class: HMD_attribute_row

Subtype of: HMD_row

Associations for: HMD_attribute_row

defined_by :: (1..1) RMIM_attribute_row :: defines :: (0..n)

Class: HMD_class_row

Subtype of: HMD_row

Associations for: HMD_class_row

defined_by :: (1..1) RMIM_class_row :: defines :: (0..n)

Class: HMD_domain_constraint

Associations for: HMD_domain_constraint

constrains :: (0..n) Message_row_control :: has_domain :: (0..1)

links_domain :: (1..1) Vocabulary_concept :: is_constraint :: (0..n)

Attributes of: HMD_domain_constraint

realm : String

strength : String

Class: HMD_notation

Associations for: HMD_notation

.annotates :: (1..1) Message_row_control :: has_notation :: (0..n)

links_note :: (1..1) RMIM_note :: is_notation :: (0..n)

Attributes of: HMD_notation

type : Enumerated

Class: HMD_other_row

Subtype of: HMD_row

Associations for: HMD_other_row


Class: HMD_relationship_row

Subtype of: HMD_row

Associations for: HMD_relationship_row

instance_referenced_by :: (0..n) HMD_relationship_row :: refers_to_instance :: (0..1)

refers_to_instance :: (0..1) HMD_relationship_row :: instance_referenced_by :: (0..n)

typed_by_CMET :: (0..1) Message_type :: types :: (0..n)

defined_by :: (1..1) RMIM_relationship_row :: defines :: (0..n)

Class: HMD_row

Supertype of: HMD_attribute_row
HMD_class_row
HMD_other_row
HMD_relationship_row

Is part of: Hierarchical_message_description

Associations for: HMD_row

has_parent :: (1..1) HMD_row :: is_parent :: (0..n)

is_parent :: (0..n) HMD_row :: has_parent :: (1..1)

controlled_by :: (0..n) Message_row_control :: controls :: (1..1)

Attributes of: HMD_row

base_MET_name : String

choice_set : String

history : CompoundHx

MET_source : Enumerated

nest_level : Integer

Class: Interaction

Is part of: Model

Associations for: Interaction

received_by :: (1..1) Application_role :: receives :: (0..n)

sent_by :: (1..1) Application_role :: sends :: (0..n)
initiated_by_receiver :: (0..1) Interaction :: responsible_for :: (0..n)

included_in :: (0..n) Interaction_model_category :: includes :: (0..n)

is_linked_by :: (0..n) Interaction_sequence :: links :: (1..1)

transfers :: (1..1) Message_type :: transferred_by :: (1..n)

initiated_by :: (1..1) Trigger_event :: initiates :: (0..n)

Attributes of: Interaction

description : DescriptiveText

history : CompoundHx

identifier : IdentifierString

Class: Interaction_model_category

Is part of: Model

Associations for: Interaction_model_category

includes :: (0..n) Application_role :: included_in :: (0..n)

maintained_by :: (0..1) HL7_committee :: maintains :: (0..n)

includes :: (0..n) Interaction :: included_in :: (0..n)

nested_in :: (0..1) Interaction_model_category :: nests :: (0..n)

nests :: (0..n) Interaction_model_category :: nested_in :: (0..1)

Attributes of: Interaction_model_category

description : DescriptiveText

history : CompoundHx

name : NameString

Class: Interaction_sequence

Is part of: Storyboard

Associations for: Interaction_sequence

links :: (1..1) Interaction :: is_linked_by :: (0..n)

Attributes of: Interaction_sequence

history : CompoundHx

sequence_number : Integer

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Class: Message_information_model

Composition for: Message_information_model

contains (1,n) :: MIM_attribute :: is_part_of (1,1)
contains (1,n) :: MIM_class :: is_part_of (1,1)
contains (1,n) :: MIM_relationship :: is_part_of (1,1)
contains (0,n) :: MIM_state :: is_part_of (1,1)

Associations for: Message_information_model

defined_by :: (1..1) HL7_committee :: defines :: (0..n)
draws_from :: (1..1) Model :: is_basis_for :: (0..n)
refined_by :: (0..n) Refined_message_information_model :: refines :: (1..1)

Attributes of: Message_information_model

ballot_version : IdentifierString
description : DescriptiveText
history : CompoundHx
id : IdentifierString
name : NameString

Class: Message_row_control

Is part of: Message_type

Associations for: Message_row_control

has_domain :: (0..1) HMD_domain_constraint :: constrains :: (0..n)
has_notation :: (0..n) HMD_notation :: annotates :: (1..1)
controls :: (1..1) HMD_row :: controlled_by :: (0..n)

Attributes of: Message_row_control

conformance : Enumerated
constraint : String
default_value : String
defaultUpdateMode
history : CompoundHx
inclusion : Enumerated
repetitions : MultiplicityString
updateModeSet

Class: Message_type
Supertype of: Union_message_type
Is part of: Hierarchical_message_description

Composition for: Message_type
includes (0,n) :: Message_row_control :: included_in (1,1)

Associations for: Message_type
types :: (0..n) HMD_relationship_row :: typed_by_CMET :: (0..1)
transferred_by :: (1..n) Interaction :: transfers :: (1..1)
combined_in :: (0..1) Union_message_type :: combines :: (1..n)

Attributes of: Message_type
history : CompoundHx
identifier : IdentifierString
isCommonType : Boolean

Class: MIM_aggregation
Subtype of: MIM_relationship

Associations for: MIM_aggregation
includes :: (1..1) Composite_aggregation :: included_in :: (0..n)

Attributes of: MIM_aggregation
part_multiplicity : MultiplicityString

Class: MIM_association
Subtype of: MIM_relationship

Associations for: MIM_association
includes :: (1..1) Association :: included_in :: (0..n)

Attributes of: MIM_association
source_multiplicity : MultiplicityString

target_multiplicity : MultiplicityString

Class: MIM_attribute

Is part of: Message_information_model

Associations for: MIM_attribute

includes :: (1..1) Attribute :: included_in :: (0..n)

has_working :: (0..1) Data_type :: is_working :: (0..n)

constrained_by :: (0..1) MIM_attribute_domain_constraint :: constrains :: (0..n)

has_dependent :: (0..n) RMIM_attribute_row :: based_on :: (1..1)

Attributes of: MIM_attribute

history : CompoundHx

inclusion : Boolean

repeatability : Boolean

Class: MIM_attribute_domain_constraint

Associations for: MIM_attribute_domain_constraint

constrains :: (0..n) MIM_attribute :: constrained_by :: (0..1)

links_domain :: (1..1) Vocabulary_concept :: is_constraint :: (0..n)

Attributes of: MIM_attribute_domain_constraint

strength : String

Class: MIM_class

Is part of: Message_information_model

Associations for: MIM_class

includes :: (1..1) Class :: included_in :: (0..n)

has_dependent :: (0..n) RMIM_class_row :: is_based_on :: (1..1)

Attributes of: MIM_class

history : CompoundHx

Class: MIM_generalization
Subtype of: MIM_relationship

Associations for: MIM_generalization

includes :: (1..1) Generalization_relationship :: included_in :: (0..n)

Class: MIM_relationship

Is Abstract Class

Supertype of: MIM_aggregation
MIM_association
MIM_generalization

Is part of: Message_information_model

Associations for: MIM_relationship

has_dependent :: (0..n) RMIM_relationship_row :: is_based_on :: (1..1)

Attributes of: MIM_relationship

history : CompoundHx

Class: MIM_state

Is part of: Message_information_model

Associations for: MIM_state

has_dependent :: (0..n) RMIM_state_row :: is_based_on :: (1..1)

includes :: (1..1) State :: included_in :: (0..n)

Attributes of: MIM_state

history : CompoundHx

Class: Model

Composition for: Model

has (0,n) :: Actor :: in (1,1)

has (0,n) :: Application_role :: in (1,1)

has (0,n) :: Class :: in (1,1)

has (0,n) :: Data_type :: in (1,1)

has (0,n) :: Data_type_category :: in (1,1)

has (0,n) :: Hierarchical_message_description :: in (1,1)
has (0,n) :: Interaction :: in (1,1)

has (0,n) :: Interaction_model_category :: in (1,1)

contains (0,n) :: Refined_message_information_model :: is_part_of (1,1)

has (0,n) :: Storyboard :: in (1,1)

has (0,n) :: Subject_area :: in (1,1)

has (0,n) :: Trigger_event :: in (1,1)

has (0,n) :: Use_case :: in (1,1)

has (0,n) :: Use_case_category :: in (1,1)

Associations for: Model

prepared_by :: (1..1) HL7_committee :: prepares :: (0..n)

is_basis_for :: (0..n) Message_information_model :: draws_from :: (1..1)

Attributes of: Model

description : DescriptiveText

developing_org : String

last_modified_date : Date

modelID : NameString

name : NameString

version_number : VersionNumber

Class: Observation_id_link

Is part of: Domain_version

Associations for: Observation_id_link

links_obs_term :: (1..1) Coded_term :: linked_to_set :: (0..n)

links_domain :: (0..1) Vocabulary_concept :: equates_to :: (0..n)

Attributes of: Observation_id_link

edit_note : DescriptiveText

status : CodedElement

version_out : Integer
Class: **Project**

Description of: **Project**

Associations for: **Project**

implemented_by :: (0..n) Hierarchical_message_description :: supports :: (1..1)

responsibility_of :: (1..1) HL7_committee :: responsible_for :: (0..n)

Attributes of: **Project**

ANSI_PINS_date : Date

id : IdentifierString

name : NameString

scope : DescriptiveText

TSC_approval_date : Date

---

Class: **Refined_message_information_model**

Is part of: **Model**

Composition for: **Refined_message_information_model**

contains (0,n) :: RMIM_note :: part_of (1,1)

contains (1,n) :: RMIM_row :: part_of (1,1)

Associations for: **Refined_message_information_model**

refines :: (1..1) Message_information_model :: refined_by :: (0..n)

Attributes of: **Refined_message_information_model**

first_node_id : IdentifierString

history : CompoundHx

identifier : IdentifierString

---

Class: **RMIM_attribute_domain_constraint**

Associations for: **RMIM_attribute_domain_constraint**

constrains :: (0..n) RMIM_attribute_row :: constrained_by :: (0..1)

links_domain :: (1..1) Vocabulary_concept :: is_constraint :: (0..n)

Attributes of: **RMIM_attribute_domain_constraint**

strength : String
Class: RMIM_attribute_row

Subtype of: RMIM_row

Associations for: RMIM_attribute_row

defines :: (0..n) HMD_attribute_row :: defined_by :: (1..1)

based_on :: (1..1) MIM_attribute :: has_dependent :: (0..n)

constrained_by :: (0..1) RMIM_attribute_domain_constraint :: constrains :: (0..n)

Class: RMIM_class_row

Subtype of: RMIM_row

Associations for: RMIM_class_row

defines :: (0..n) HMD_class_row :: defined_by :: (1..1)

is_based_on :: (1..1) MIM_class :: has_dependent :: (0..n)

is_related_by :: (0..n) RMIM_relationship_row :: has_distal_class :: (0..1)

is_active_parent :: (0..n) RMIM_row :: has_active_parent :: (1..1)

is_true_parent :: (0..n) RMIM_row :: has_true_parent :: (1..1)

Attributes of: RMIM_class_row

first_attribute_row_id : IdentifierString

first_relation_row_id : IdentifierString

Class: RMIM_notation

Associations for: RMIM_notation

links_note :: (1..1) RMIM_note :: is_notation :: (0..n)

annotates :: (1..1) RMIM_row :: has_notation :: (0..n)

Attributes of: RMIM_notation

type : Enumerated

Class: RMIM_note

Is part of: Refined_message_information_model

Composition for: RMIM_note

part_of (1,1) :: Refined_message_information_model :: contains (0,n)
Associations for: RMIM_note

is_notation :: (0..n) HMD_notation :: links_note :: (1..1)

is_notation :: (0..n) RMIM_notation :: links_note :: (1..1)

Attributes of: RMIM_note

number : Integer
subject : String

Class: RMIM_other_row

Subtype of: RMIM_row

Associations for: RMIM_other_row

defines :: (0..n) HMD_other_row :: defined_by :: (1..1)

has_parent :: (1..1) RMIM_row :: is_parent :: (0..n)

Attributes of: RMIM_other_row

otherType : Enumerated

Class: RMIM_relationship_row

Subtype of: RMIM_row

Associations for: RMIM_relationship_row

defines :: (0..n) HMD_relationship_row :: defined_by :: (1..1)

is_based_on :: (1..1) MIM_relationship :: has_dependent :: (0..n)

has_distal_class :: (0..1) RMIM_class_row :: is_related_by :: (0..n)

has_other_half :: (1..1) RMIM_relationship_row :: is_other_half :: (0..1)

is_other_half :: (0..1) RMIM_relationship_row :: has_other_half :: (1..1)

Attributes of: RMIM_relationship_row

blocked : Boolean

Class: RMIM_row

Is Abstract Class

Supertype of: RMIM_attribute_row
RMIM_class_row
RMIM_other_row
RMIM_relationship_row
RMIM_state_row

Is part of: Refined_message_information_model

Associations for: RMIM_row

has_active_parent :: (1..1) RMIM_class_row :: is_active_parent :: (0..n)

has_true_parent :: (1..1) RMIM_class_row :: is_true_parent :: (0..n)

has_notation :: (0..n) RMIM_notation :: annotates :: (1..1)

is_parent :: (0..n) RMIM_other_row :: has_parent :: (1..1)

Attributes of: RMIM_row

cardinality : MultiplicityString

conformance : Enumerated

constraint : DescriptiveText

default_update_mode : String

default_value : DescriptiveText

history : CompoundHx

mandatory : Boolean

name : NameString

next_sibling_ID : IdentifierString

previous_sibling_id : IdentifierString

short_name : NameString

update_mode_set : String

Class: RMIM_state_row

Subtype of: RMIM_row

Associations for: RMIM_state_row

is_based_on :: (1..1) MIM_state :: has_dependent :: (0..n)

Class: State

Is part of: Subject_class

Associations for: State

included_in :: (0..n) MIM_state :: includes :: (1..1)
Class: State

Attributes of: State

description : DescriptiveText

history : CompoundHx

name : NameString

predicate : String

Class: State_transition

Associations for: State_transition

ends_in :: (1..1) State :: ends :: (0..n)

starts_from :: (1..1) State :: is_start_of :: (0..n)

identified_by :: (0..1) Trigger_event :: identifies :: (1..n)

captured_in :: (0..n) Use_case :: describes :: (0..1)

Attributes of: State_transition

description : DescriptiveText

history : CompoundHx

label : NameString

Class: Storyboard

Is part of: Model

Composition for: Storyboard

contains (0..n) :: Interaction_sequence :: is_part_of (1,1)

Each storyboard is made up of a sequence of interactions, a sequence of use cases, or both.

exemplifies (0..n) :: Storyboard_example :: is_part_of (1,1)

Each storyboard example provides a real world example for a single storyboard.

contains (0..n) :: Use_case_sequence :: contains (1,1)

Each storyboard is made up of a sequence of interactions, a sequence of use cases, or both.

Attributes of: Storyboard
history : CompoundHx
identifier : IdentifierString
name : NameString
purpose : DescriptiveText

**Class: Storyboard_example**

Is part of: Storyboard

Attributes of: Storyboard_example

description : DescriptiveText
history : CompoundHx
identifier : IdentifierString

**Class: Subject_area**

Is part of: Model

Associations for: Subject_area

holds :: (1..n) Class :: primarily_resides_in :: (0..1)

includes :: (1..n) Class :: appears_in :: (0..n)

maintained_by :: (0..1) HL7_committee :: maintains :: (0..n)

is_nested_in :: (0..1) Subject_area :: nests :: (0..n)

nests :: (0..n) Subject_area :: is_nested_in :: (0..1)

Attributes of: Subject_area

description : DescriptiveText
history : CompoundHx
name : NameString

**Class: Subject_class**

Subtype of: Class

Composition for: Subject_class

has (0,n) :: State :: in (1,1)

Associations for: Subject_class
subject_of :: (0..n) Application_role :: relates_to :: (1..1)

has_state_attribute :: (1..1) Attribute :: is_state_attribute_for :: (0..1)

is_driven_by :: (1..n) Trigger_event :: affects :: (1..1)

subject_of :: (0..n) Use_case :: describes :: (0..1)

---

**Class: Trigger_event**

Is part of: Model

Associations for: Trigger_event

initiates :: (0..n) Interaction :: initiated_by :: (1..1)

identifies :: (1..n) State_transition :: identified_by :: (0..1)

affects :: (1..1) Subject_class :: is_driven_by :: (1..n)

Attributes of: Trigger_event

dependency : String

description : DescriptiveText

history : CompoundHx

identifier : IdentifierString

name : NameString

---

**Class: Union_message_type**

Subtype of: Message_type

Associated with: Message_type

Associations for: Union_message_type

combines :: (1..n) Message_type :: combined_in :: (0..1)

---

**Class: Use_case**

Is part of: Model

Associations for: Use_case

involves :: (1..n) Actor :: participates_in :: (0..n)

describes :: (0..1) State_transition :: captured_in :: (0..n)

describes :: (0..1) Subject_class :: subject_of :: (0..n)
included_in :: (0..n) Use_case_category :: includes :: (0..n)

is_source_for :: (0..n) Use_case_relationship :: links_source :: (1..1)

is_target_in :: (0..n) Use_case_relationship :: links_target :: (1..1)

is_linked :: (0..n) Use_case_sequence :: links :: (1..1)

Attributes of: Use_case

description : DescriptiveText

history : CompoundHx

identifier : IdentifierString

name : NameString

---

Class: Use_case_category

Is part of: Model

Associations for: Use_case_category

includes :: (0..n) Actor :: included_in :: (0..n)

maintained_by :: (0..1) HL7_committee :: maintains :: (0..n)

includes :: (0..n) Use_case :: included_in :: (0..n)

nested_in :: (1..1) Use_case_category :: nests :: (0..n)

nests :: (0..n) Use_case_category :: nested_in :: (1..1)

Attributes of: Use_case_category

description : DescriptiveText

history : CompoundHx

name : NameString

---

Class: Use_case_relationship

Associations for: Use_case_relationship

links_source :: (1..1) Use_case :: is_source_for :: (0..n)

links_target :: (1..1) Use_case :: is_target_in :: (0..n)

Attributes of: Use_case_relationship

history : CompoundHx

stereotype : String
Class: Use_case_sequence

Is part of: Storyboard

Associations for: Use_case_sequence

links :: (1..1) Use_case :: is_linked :: (0..n)

Attributes of: Use_case_sequence

history : CompoundHx
sequence : Integer

Class: V23_data_type

Associations for: V23_data_type

typed :: (0..n) Attribute :: had_V23_type :: (1..1)
types :: (0..n) V23_fields :: is_of_type :: (1..1)

Attributes of: V23_data_type

data_type_category : String
data_type_code : String
data_type_name : String
notes_format : String

Class: V23_field_segment

Associations for: V23_field_segment

positions :: (1..1) V23_fields :: populate :: (0..n)
is_in :: (1..1) V23_segments :: contains :: (1..n)

Attributes of: V23_field_segment

sequence : Integer

Class: V23_fields

Associations for: V23_fields

is_source_for :: (0..n) Attribute :: based_on :: (0..n)
is_of_type :: (1..1) V23_data_type :: types :: (0..n)
populate :: (0..n) V23_field_segment :: positions :: (1..1)
Attributes of: **V23_fields**

- **description**: DescriptiveText
- **element**: Integer
- **field_name**: String
- **table**: Integer

**Class: V23_segments**

**Associations for: V23_segments**

- **source_of**: (0..n) Attribute :: **stems_from**: (0..n)
- **contains**: (1..n) V23_field_segment :: **is_in**: (1..1)

Attributes of: **V23_segments**

- **name**: String
- **segment**: String

**Class: Vocabulary_concept**

Is part of: **Domain_version**

**Composition for:** Vocabulary_concept

- **in_version** (1,1) :: Domain_version :: **has** (0,n)

**Associations for: Vocabulary_concept**

- **is_constraint** :: (0..n) Attribute_domain_constraint :: **links_domain** :: (1..1)
- **has_basis_in** :: (0..1) Code_system :: **is_basis_for** :: (0..n)
- **is_represented_by** :: (0..n) Coded_term :: **represents** :: (0..1)
- **is_contained_concept** :: (0..n) Concept_relationship :: **links_content** :: (1..1)
- **is_containing_concept** :: (0..n) Concept_relationship :: **has_container** :: (1..1)
- **is_constraint** :: (0..n) HMD_domain_constraint :: **links_domain** :: (1..1)
- **is_constraint** :: (0..n) MIM_attribute_domain_constraint :: **links_domain** :: (1..1)
- **equates_to** :: (0..n) Observation_id_link :: **links_domain** :: (0..1)
- **is_constraint** :: (0..n) RMIM_attribute_domain_constraint :: **links_domain** :: (1..1)

Attributes of: **Vocabulary_concept**

- **applies_to**: String
concept_id : Integer

define_sequence : Integer

defining_expression : String

description : DescriptiveText
edit_note : DescriptiveText

how_applies : String

name : String

open_issue : DescriptiveText

preference : Integer

realm_of_use : Enumerated

status : CodedElement

type_cd : Enumerated

version_out : Integer