

5.3.2.2.2 Foundation Metadata Concept Hierarchy

Foundation Metadata Concept

Hierarchy	900000000000454005 Foundation metadata concept
Purpose	This concept is a supertype for metadata used to support SNOMED CT reference sets.
Concept Addition Rules	No new subtype children may be added in an extension. See tables below for concept addition rules for each of the subtypes of 900000000000454005 Foundation metadata concept .

Reference Sets

Hierarchy	900000000000455006 Reference set
Purpose	The subtype children represent reference set types. Subtype descendants represent either reference sets of the type specified by their supertype parent or groups of reference sets of a type specified by their supertype parent.
Examples	Reference set types <ul style="list-style-type: none">609331003 Extended map type reference set <ul style="list-style-type: none">447562003 ICD-10 complex map reference set 900000000000521006 Association type <ul style="list-style-type: none">900000000000522004 Historical association (This is a grouper concept not an actual reference set)<ul style="list-style-type: none">900000000000526001 REPLACED BY association reference set 900000000000527005 SAME AS association reference set 900000000000480006 Attribute value type
Concept Addition Rules	New subtype children may be added in an extension, as long as they represent a new and distinct Reference Set Type (i.e. not an individual reference set). New subtype descendants may be added in an extension, as long as they represent a Reference Set of the type defined by its supertype ancestors.
Concept Addition Uses Cases	<ul style="list-style-type: none">To create a new reference setTo define a new reference set typeTo define a group of related reference sets
Additional Notes	When a new reference set type is defined, an appropriate set of reference set descriptor rows must be created in the reference set descriptor reference set to specify the order and format of the reference set columns. Furthermore, the intended use and format of the new reference set type must also be documented. Appropriate documentation should also be provided to describe the specific use of each individual reference set. The addition of reference set descriptor rows for individual reference sets is also recommended. However, this is optional if there are no additional constraints over and above those specified for its reference set type.

Reference Set Attributes

Hierarchy	900000000000457003 Reference set attribute
Purpose	The subtype children represent named attributes used to represent columns in reference sets. Also includes two special subtypes: 900000000000459000 Attribute type and 900000000000491004 Attribute value which are separately documented.
Examples	<ul style="list-style-type: none">900000000000511003 Acceptability <ul style="list-style-type: none">900000000000549004 Acceptable 900000000000548007 Preferred 900000000000501005 Map group 900000000000536009 Source effective time

Concept Addition Rules	<p>Subtype children can be added in an extension to represent new column names for use in additional reference set type definitions.</p> <p>See separate notes on subtype descendance of the special subtypes 900000000000459000 Attribute type and 90000000000491004 Attribute value .</p>
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Reference Set Attribute Types

Hierarchy	900000000000459000 Attribute type
Purpose	These concepts represent data types associated with reference set attributes.
Examples	<ul style="list-style-type: none"> • 900000000000459000 Attribute type (foundation metadata concept) <ul style="list-style-type: none"> ◦ 900000000000460005 Component type (foundation metadata concept) <ul style="list-style-type: none"> ▪ 900000000000461009 Concept type component ◦ 900000000000476001 Integer (foundation metadata concept) ◦ 900000000000465000 String (foundation metadata concept) <ul style="list-style-type: none"> ▪ 762678002 OWL 2 language syntax (foundation metadata concept) ▪ 707000009 SNOMED CT parsable string (foundation metadata concept) ▪ 900000000000466004 Text (foundation metadata concept) ▪ 900000000000475002 Time (foundation metadata concept) ▪ 900000000000469006 Uniform resource locator (foundation metadata concept) ▪ 900000000000474003 Universally Unique Identifier (foundation metadata concept)
Concept Addition Rules	<p>No new subtype children or subtype descendants may be added in an extension.</p> <p>If new subtypes are required these should be requested for addition to the International Edition.</p>

Reference Set Attribute Values

Hierarchy	900000000000491004 Attribute value
Purpose	These concepts represent values that can be applied to specified columns in a reference set.
Concept Addition Rules	<p>Additional subtype children may be added in an extension to represent values applicable to a newly added reference set or reference set type.</p> <p>Subtype descendants should not be added in an extension, except where they are descendants of a subtype child added to support a newly added reference set.</p>
Potential Problems	Adding subtype descendant to pre-existing subtype children would have the effect of changing the permitted value set for a pre-existing reference set type and reference sets defined as having that type.