

4.3 Metadata Hierarchy

As the [release file](#) formats contain a number of [concept](#) enumerations, it is necessary to define sets of [concepts](#) that represent the allowed values. As well as the enumerated values, other metadata supporting the extensibility mechanism and the [concept model](#) is required.

The [concept](#) 900000000000441003 | SNOMED CT Model Component (metadata) is a [subtype](#) of the [root concept](#)(138875005 | SNOMED CT Concept), and contains the metadata, supporting the release.

The [subtypes](#) of 900000000000441003 | SNOMED CT Model Component (metadata) are described in the following table and the top three levels of the hierarchy are shown in the figure below this.

Table 4.3-1: SNOMED CT Model Component (metadata) (900000000000441003)

Id	Term	Comment
106237007 Linkage concept (linkage concept)	106237007 Linkage concept (linkage concept)	Concepts that specify - Semantic Relationships between concepts(246061005 Attribute); and - Asserted associations between statements in a record (416698001 Link assertion)
370136006 Namespace concept (namespace concept)	370136006 Namespace concept (namespace concept)	Concepts that specify the Extension Namespaces allocated by the SNOMED International .
900000000000442005 Core metadata concept (core metadata concept)	900000000000442005 Core metadata concept (core metadata concept)	Concepts that are referenced from enumerated fields within the International Release files (the Concept , Description , Relationship , Identifier).
900000000000454005 Foundation metadata concept (foundation metadata concept)	900000000000454005 Foundation metadata concept (foundation metadata concept)	The metadata that supports the extensibility mechanism, and is discussed in more detail in the Reference Sets Guide .

Table 4.3-2: SNOMED CT Metadata Hierarchy (2018-01-31) - Core metadata concepts (top 3 levels only)

900000000000441003 SNOMED CT Model Component
900000000000442005 Core metadata concept
900000000000447004 Case significance
900000000000448009 Case insensitive
900000000000017005 Case sensitive
900000000000020002 Initial character case insensitive
900000000000449001 Characteristic type
9000000000000227009 Additional relationship
900000000000006009 Defining relationship
9000000000000225001 Qualifying relationship
900000000000444006 Definition status
900000000000073002 Defined
900000000000074008 Primitive
900000000000446008 Description type
900000000000550004 Definition
900000000000003001 Fully specified name
900000000000013009 Synonym
900000000000453004 Identifier scheme
900000000000294009 SNOMED CT integer ID
900000000000002006 SNOMED CT UUID
900000000000450001 Modifier
900000000000452009 All
900000000000451002 Some
900000000000443000 Module
900000000000445007 IHTSDO maintained module
466707005 SNOMED CT Medical Devices module
900000000000454005 Foundation metadata concept ... (see next table)

Table 4.3-3: SNOMED CT Metadata Hierarchy (2018-01-31) - Foundation metadata concepts (top 3 levels only - some long lists replaced by ...)

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900000000000441003 |SNOMED CT Model Component|
900000000000442005 |Core metadata concept| ... (see previous table)
900000000000454005 |Foundation metadata concept|
  900000000000455006 |Reference set|
    900000000000516008 |Annotation type|
    900000000000521006 |Association type|
    900000000000480006 |Attribute value type|
    705109006 |Code to expression type reference set|
    447250001 |Complex map type reference set|
    609430003 |Concept model reference set|
    900000000000538005 |Description format|
    733614007 |Expansion history reference set|
    609331003 |Extended map type reference set|
    733613001 |Intensional definition reference set|
    900000000000506000 |Language type|
    705111002 |Map correlation and origin type reference set|
    900000000000534007 |Module dependency|
    723564002 |MRCM reference set|
    733618005 |Ordered association type reference set|
    733619002 |Ordered component type reference set|
    447258008 |Ordered type reference set|
    900000000000512005 |Query specification type|
    900000000000456007 |Reference set descriptor|
    900000000000496009 |Simple map|
    446609009 |Simple type reference set|
    900000000000457003 |Reference set attribute|
    447257003 |"Linked to" reference set attribute|
    900000000000511003 |Acceptability|
  ...
  723569007 |Template|
106237007 |Linkage concept|
  246061005 |Attribute|
    410663007 |Concept history attribute|
    410662002 |Concept model attribute|
    116680003 |Is a|
    408739003 |Unapproved attribute|
    416698001 |Link assertion|
    417151001 |Has explanation|
  ...
    416872009 |Is etiology for|
    417318003 |Is manifestation of|
370136006 |Namespace concept|
  373872000 |Core Namespace|
  370137002 |Extension Namespace 1000000|
  ...
  713754005 |Extension Namespace 1000999|

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