Root and Top-level Concepts

Concept

A concept is defined as a clinical idea to which a unique concept identifier has been assigned. Concepts are associated with descriptions that contain human-readable terms describing the concept.

A term is defined as a human-readable phrase that names or describes a concept. A term is one of the properties of a description. Other properties of a description link the term to an identified concept and indicate the type of description, e.g. Fully Specified Name, Preferred Term, Synonym.

Terms are linked to their more general parent concepts directly above them in a hierarchy. More general meanings, are usually at the top of the hierarchy. Descending levels of the hierarchy contain more specific or specialized meanings.

Concepts are logically defined by their relationships to each other.

In SNOMED CT, the default meaning of a concept is defined above. However, a concept may have other meanings in SNOMED CT, such as:

- Abbreviated name for the concept identifier. For clarity, this should be referred to as an identifier (ID), or code, e.g. concept identifier (ID) or concept code.
- Idea or class of real-world entities (common usage meaning). For clarity, this should be referred to as an idea or meaning, e.g. a clinical idea, clinical meaning, or code meaning.

Root Concept

The concept file includes a special concept referred to as the root concept. It is the single concept that is at the top of the SNOMED CT concept hierarchy. All other concepts are descended from this root concept via at least one series of relationships of the Relationship type 116680003 Is a (attribute), i.e. all other concepts are regarded as subclasses of this concept. The root concept code is 138875005 SNOMED CT Concept (SNOMED RT+CTV3), with the preferred term (PT), SNOMED CT Concept.

Features of the root concept

All other SNOMED CT concepts are subtypes of the root concept. Unlike other SNOMED CT concepts, the root concept is not a subtype of any other concept.
Top-level Concept

Concepts that are directly related to the root concept by a single relationship of the Relationship type 116680003 |Is a (attribute)| are referred to as top-level concepts. All other concepts are descended from at least one top-level concept via at least one series of relationships of the Relationship type 1

Top-level metadata concepts

A concept that is directly related to the root metadata concept, 900000000000441003 |SNOMED CT Model Component (metadata)| by a single relationship of the relationship type IS_A. All metadata concepts are descended from at least one Top-Level Metadata concept via at least one series of relationships with Relationship type IS_A. Metadata codes represent structural information about the terminology itself. The top-level metadata concepts represent broad groups of metadata.