

# SNOMED CT expression template

A [SNOMED CT template](#) that represents an [expression](#) in which one or more elements are replaced by [SNOMED CT template slots](#).

## Notes

- An *expression template* includes one or more predefined variables which when replaced by appropriate values creates a conformant *expression*.
- An *expression template* can be used to specify how data items entered via several controls in a structured user interface should be combined to represent a composite meaning.
- *Expression templates* are also used to formally represent [meaning bindings](#) associated with different [data entry contexts](#).
- *Expression templates* are one of several types of templates defined by the SNOMED CT [Template Syntax Specification](#).

## Examples

- The example *expression template* below specifies a [meaning binding](#) for a family history *data entry context*. In this context, a subtype of 64572001 | disease| will be interpreted as the value of the 246090004 | associated finding| attribute. Similarly, the concept 444148008 | person in family of subject (person)| or one of its subtypes will be interpreted as the value of the 408732007 | Subject relationship context| attribute. The template assigns the names @disease and @subject to these slots, which allows them to be referenced from specific user interface controls.

```
57177007 |Family history with explicit context (situation)| :  
  { 408731000 |Temporal context (attribute)| = 410511007 |Current or past (actual) (qualifier value)| ,  
    246090004 |Associated finding (attribute)| = [[+id ( < 64572001 |Disease (disorder)| ) @disease ]],  
    408729009 |Finding context (attribute)| = 410515003 |Known present (qualifier value)| ,  
    408732007 |Subject relationship context (attribute)| = [[+id ( << 444148008 |Person in family of subject (person)| ) @subject  
  ]]
```

- If 44054006 | Diabetes mellitus type 2| is entered in the @disease slot and 66839005 | Father| is entered in the @subject slot, the result is the *expression*, shown below, stating that the father of the patient has (or had) 44054006 | Diabetes mellitus type 2| .

```
57177007 |Family history with explicit context (situation)| :  
  { 408731000 |Temporal context (attribute)| = 410511007 |Current or past (actual) (qualifier value)| ,  
    246090004 |Associated finding (attribute)| = 44054006 |Diabetes mellitus type 2| ,  
    408729009 |Finding context (attribute)| = 410515003 |Known present (qualifier value)| ,  
    408732007 |Subject relationship context (attribute)| = 66839005 |Father| }
```

## Alternatives

- [Expression template](#)

## Related Links

- **Glossary**
  - [SNOMED CT expression](#)
  - [SNOMED CT template](#)
  - [SNOMED CT template slot](#)
- **Specification**
  - [Template Syntax Specification](#)
    - [6.1. Expression Template Language](#)
    - [8. Expression Template Examples](#)