context

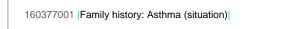
The circumstances that form the setting in which a concept can be appropriately interpreted.

Notes

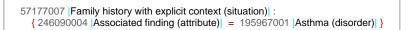
- Clear recording and appropriate interpretation of *context* is essential for safe use and accurate analysis of electronic health records.
- The context in which a concept is used can be represented in various ways. Some of the possible representation are shown in the examples section below.
- Appropriate interpretation of different representations of context can be facilitated by terminology binding techniques that resolve multiple mod
 els of use into a common model of meaning.

Examples

- A disease such as "asthma" might be referred to in various contexts.
 - A current presenting problem needing treatment
 - ° A past history recorded during assessment for treatment of another condition
 - A family history recorded routinely during a consultation
- Family history of asthma can be recorded using SNOMED CT in several ways three of which are illustrated here.
 Use of a single concept from the situation with explicit context domain:



• Application of a context wrapper to the concept 195967001 | Asthma (disorder) | :



• Use of features of an electronic health record model, such as separate record sections for information with different contexts.



 Based on the definitions of these concepts, a description logic classifier will infer that first two representations above have precisely the same meaning. The third representation can be similarly resolved if the "Family History Record Section" has a *model or meaning binding* to the 57177007 | Family history with explicit context (situation)| wrapper.

Related Links

- Situation with explicit context
- Context wrapper
- Domain
- Terminology binding
- Model of use
- Model of meaning
- Safely representing the context of recorded codes