

Objectives of the research

Evaluate the usefulness of a major clinical terminology system, for statistical and clinical purposes in health care

Justification of the topic

SNOMED CT: The Systematised Nomenclature of Medicine Clinical Terms is being a part of the Swedish national terminology resource

There is a need for epidemiological statistics from primary health care

Research Methodology

- The **mapping** between SNOMED and a subset of ICD 10, used in Swedish primary care + SNOMED CT **concept model relations** and **attributes**

is used to analyse:

- **diagnostic data** from patient journals in primary care: 2.5 million diagnostic codes 2006

Hypothesis:

The quality of diagnostic statistics from primary care can be improved without a change of coding system

Results study I

- It is possible to reach **high intercoder reliability** in mapping from ICD-10-categories to SNOMED CT
- Several obstacles to high quality mapping remain due to **structure and content characteristics** in both coding systems

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A multiple taxonomic hierarchy and additional information like morphology and location are analysed for the possibility of generating new kinds of descriptive statistics in primary care

to evaluate **intercoder reliability** and the assessed degree of concordance when the Swedish primary health care version of ICD-10 is matched to SNOMED CT.

to describe **characteristics in the coding systems** that are related to obstacles to high quality mapping

Research question

- How (frequency and in which way) will a comparison utfaller en jämförelse av grupperade (aggregerade) diagnoser mellan SNOMED CT och KSH97-P på kapitelnivå?

Can **cross-mappings** between **SNOMED CT** and classifications like **International Classification of Diseases, (ICD-10)** maximise the value of the clinical data and the benefits of an EHR system?

SNOMED CT The Systematised Nomenclature of Medicine Clinical Terms

The worlds largest, concept-based terminology, covering diseases, clinical findings and procedures in health care with 366,170 concepts and 993,420 terms.

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