



201926 SNOMED CT in a Dental EHR

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Summary

SNOMED CT has been implemented in a dental EHR, using SNOMED CT to represent about 90% of all clinical data. The data-set including both diagnosis, procedures and measurements. SNOMED CT is implemented without changes to the dentists' everyday workflow.

Audience

Clinical, Policy/administration

Learning Objectives

Abstract

SNOMED CT has been implemented in a dental EHR, using SNOMED CT to represent about 90% of all clinical data. The data-set including both diagnosis, procedures and measurements. SNOMED CT is implemented without changes to the dentists' everyday workflow. The implementation is done inside the core charting and documentation module, one of five modules inside the EHR. The modules can be used independently, and potentially integrated with other systems.

The SNOMED CT implementation is based on the publicly published Odontogram Refset, and has continuously requested new concepts, and requested guidance on use from the SNOMED-community.

The aim of the project is to report clinical data in a standardized format and verify that data keeps original clinical meaning for reporting- and research purpose. In the first phase, only a proprietary export has been implemented. Both continuously registered and historical (converted) data can be exported in a known format, using SNOMED CT as the core data element. Both as simple codes/concepts and as ECL expressions. Data coverage is to be increased in 2019, expanding the use of SNOMED CT to further elements in the EHR. There are also plans to use the exported data for both analytics and translations, using SNOMED CT.

The project implementing SNOMED CT has been a collaboration between Opus Systemer AS (the dental EHR vendor), The Norwegian Directorate of E-health and The Oral Health Centre of Competence in Mid-Norway. Opus Dental is the largest vendor in Norway, with a market share of about 95%. Combined with a market share in Sweden of 50-60%, and presence in Iceland, making it the largest Nordic vendor.