

# Analytics and Clinical Decision Support with SNOMED CT

## Presenters

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## Audience

Vendors, clinicians, project managers and developers.

## Abstract

SNOMED CT enables effective data analytics and clinical decision support (CDS) using its concept-based design, hierarchical structure and formal concept definitions.

This tutorial explains a range of techniques that can be used to perform data analytics and CDS using SNOMED CT encoded data. A Health Data Analytics demonstrator will then be presented, which applies these techniques to some clinical scenarios.

## Objectives

After attending this tutorial, the participant should be able to:

- Describe some approaches for preparing clinical data for analytics
- Describe a range of techniques for performing data analytics using SNOMED CT
- Explain the logical design of a CDS system, and how SNOMED CT can be used in each component
- Discuss a range of implementation considerations when using SNOMED CT in a CDS solution
- Describe some clinical scenarios in which SNOMED CT can support effective analytics

## References

- Data Analytics with SNOMED CT - <http://snomed.org/analytics>
- Decision Support with SNOMED CT - <http://snomed.org/cds>
- SNOMED CT Expression Constraint Language - <http://snomed.org/ecl>

## Tutorial Handout



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