# Clinical Data Analytics

The clinical and economic burden of healthcare is rising everywhere and there is a growing need for clinical decision support tools to provide better patient care and management in hospitals. With the availability of digitized clinical data from electronic medical records, we are able to effectively model clinical states of patients in hospitals.

SoC's Clinical Data Analytics Algorithms can potentially be used for several clinical decision support tools. Patient and disease specific models of clinical states can enable efficient triage, early diagnosis, predictions of unforeseen complications and adverse events, timely interventions and personalized treatments.

## Features

- Predictive models of clinical states
- Exploratory models of complex clinical interactions
- Algorithms to learn from noisy and heterogeneous (structured and unstructured) clinical data
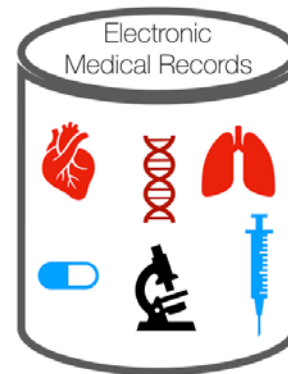
## Applications

- Complication Prediction
- Patient Triage
- Personalized Treatment
- Disease Phenotype Discovery

## Benefits

- Better Patient Care & Management
- Effective Clinical Decision Support
- Efficient Hospital Workflows
- Reduced Hospital Costs



Electronic Medical Records

Analytics

Actionable Knowledge
(From Patient and Disease Models)

Clinical Decision Support

Better Patient Care & Management