2. Aim of the thesis

The general aim of this thesis work was to describe patterns of adverse drug reactions and developing models for identifying the predictors, predicting the severity and cost of adverse drug reactions in hospitalized patients using Generalized Linear Models and Generalized Estimation Equations.

Specific Objectives

- To develop a list of indicators for identifying adverse drug events in hospitalized patients.
- To evaluate the frequency, severity and preventability of adverse drug reactions reported from a medicine department.
- Development and evaluation of prediction model for the cost of management of adverse drug reactions.
- Development and validation of a Prediction model for severity of adverse drug reactions in hospitalized patients.
- Evaluation of patient related risk factors for drug induced hepatotoxicity with anti-tubercular chemotherapy in a south Indian tertiary care hospital.
- To describe the pattern and cost of adverse cutaneous drug reactions in hospitalized patients.
- To examine the risk of ADRs in hospitalized patients with cardiovascular diseases.