URN etd-0407109-183726-2230
Author Hui-Wen Lin
Author's Email Address No Public.
Statistics This thesis had been viewed 39 times. Download 0 times.
Department
Year 2004
Semester 2
Degree Master
Type of Document Master's Thesis
Language zh-TW.Big5 Chinese
Title A Study of Using Data Mining Techniques to Detect Incorrect Prescriptions
Date of Defense 0000-00-00
Page Count 64

Keyword
Data Mining
Association Rules
ICD9
Drugs
Incorrect Prescriptions

Abstract
Ever since the implementation of the National Health Insurance in Taiwan, the Bureau of National Health Insurance has strived to control the financial breach in medial expenses, but we cannot resort to reducing medical quality in order to secure the financial gap in the Bureau's medical expenses. The Bureau has been aggressively screening the data sent in for reviewing from medical agencies and discovered false, exaggerated records or illegitimate cases of pharmaceutical prescriptions, medical examinations, and diagnosis. In order to raise the competition with higher quality service for the patients and to perform well in irregular screenings done by the bureau, medical agencies need to elevate the rectitude of doctor's prescriptions or proceedings. Therefore, we hope we can use data mining technology as assistance.

In this thesis, we will be using the association rules to distill the diagnostic survey and pharmaceutical relativity association rules X→Y, then apply ICD9 and prescriptions relativity, and scanning of incorrect prescriptions to the medical instruction system. We hope that the computer instructional input system can not only accurately register medical records; it can also provide assistance in medical decisions.Through the surveillance system of the Bureau of National Health Insurance, we can advisably monitor the advisability of the pharmaceutical use and the growth of medical expenses.
Advisory Committee Chui-Cheng Chen - advisor

Files No Any Full Text File.
Date of Submission 2005-07-25