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Abstract: In the past years, human health care system has limited application and the flow of data was very minimal. But in recent years, health care systems produce huge volume data because the growth of medical science. We use technology to supervise the complex data produced by the health care system. Data mining is one of the technologies used to find the interesting knowledge from the vast data produced by the health care system and used to analysis the patterns in large sets of data. Association, clustering, and classification are the tools used to help better exploitation of the data. It helps the health care professional to confirm the quality of the discovered medicine, prescribed treatment and the adverse reaction of the drugs.

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☰ **Contents**

I. Introduction

A medication error is "any avoidable event that may cause or lead to inappropriate medication use or patient get harm while the medication is in the control of the health-care professional, patient, or consumer. Such events may be related to signs to continue health care products, procedures, and systems". The failure outcome of a scheduled medical action or following an unsuitable set of medical actions to reach a goal causes a medical error, which may cause an Adverse Event (AE) [1] [2].

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