CHILDREN VACCINATION REMINDER SYSTEM VIA SMS ALERT

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Children Vaccination Reminder System Via SMS Alert

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By

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Abstract

This report presents a model for children vaccination reminder using short message service (SMS) to remind parents of the vaccination schedule. Vaccination is required to keep the children healthy and away from infections. In this report the main objective is to develop a children vaccination reminder model that operates via SMS. The general design methodology is the design used in this study and is represented using Unify model language (UML). The system is evaluated using questionnaires which were answered by parents. A percentage of 54.8 percent and 45.2 percent answered useful and very useful respectively of the proposed model. As a conclusion it is found that users do agree on the benefit of having reminder for their children vaccination appointment.

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CHAPTER ONE

INTRODUCTION

1.1 INTRODUCTION

Prevention of the disease is the key to public health. It is a general saying that “prevention is always better than cures”. Vaccines protect people from catching specific diseases. Vaccines also help preventing the Spread of infectious diseases in a country. Such diseases include polio, whooping cough, diphtheria, measles, rubella (German measles), mumps, Haemophilus influenza type b (Hib) and tetanus (Malone & Hinman, 2003).

Parents are constantly concerned about the health and safety of their children. Therefore, they take many steps in order to prevent their children from catching a disease. One of the options is vaccination. Vaccine works to protect infants, children and even adults from illnesses and death caused by many infectious diseases. Vaccination has its own time, period and schedule. The dosage of vaccination remains the same among babies but may be different for adults (Rodewald, 2005).

Reminder systems have been in use for several decades, except for the more sophisticated computerized phone reminder systems, and are not complex either to initiate or to operate. Reminder and recall systems can work through a variety of mechanisms meant to prompt the patient, including phone calls (by clinic staff, computer, through patient portals, or through centralized programs), letters, postcards, and e-mail. While all types of reminder systems are effective, telephone reminders have been found to be most

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