

發展預防接種申報 HL7 標準架構之研究

Development of a unified framework for immunization reporting systems using HL7 standards

中文摘要

本論文提出一個將 HL7 標準訊息格式與預防接種媒體申報檔（簡稱 CSV 檔）互相轉換的方法論，提供已完成 HL7 標準導入醫院資訊系統的醫療院所利用此資料轉換的方法，將 HL7 訊息格式轉換為 CSV 檔，解決合約醫療院所端與衛生局所端 NIIS(National Immunization Information System, 全國預防接種管理資訊系統) 系統銜接之問題，以利疾病管制局解決衛生所人員手工 key 單問題。並可協助疾病管制局之 NIIS 系統在尚未完成 HL7 標準化之下亦可接收合約醫療院所傳送 HL7 訊息格式的預防接種媒體申報資料，以因應 NIIS 系統尚未完成 HL7 標準化之過渡時期。

英文摘要

This thesis proposed a unified approach to transform the vaccine administration information represented by HL7 messages into the format represented by CSV format. Currently the NIIS (National Immunization Information System) developed by Center for Disease Control (CDC) can only support the vaccine administration reporting information represented in CSV form. However, more and more healthcare providers have developed HL7 ready information systems. In order to support the claim information represented in HL7 messages, CDC must adopt the HL7 standard in the NIIS. This proposed approach can facilitate CDC the adoption of HL7 for the NIIS step by step based on its budget plan, while supporting the HL7 vaccine reporting messages from healthcare providers.