



Service Priorities and Programmes Electronic Presentations

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Acute Pain Service E-Record

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Introduction

Acute Pain Service (APS) of the United Christian Hospital serves around 2000 patients every year. There is a lot of paper work to facilitate the operation of APS and a large scale of space is needed for data storage. Significant proportion of manpower and time is needed in update information and data audit. Over the past 10 years, these APS data has been accumulated and stored. Besides data storage, data privacy is also another concern. On every month or year, audit data need to be done manually, which involving much manpower. It is high time, improvement deemed necessary to save time, to save papers and related man power. All these concern can easily be resolved with electronic record. A web based APS record was piloted in 2011 and fully implication on August 2012. For further improvement, designated/mobile device can be applied in APS to increase the data accessibility.

Objectives

1. To setup a web based APS record 2. To improve patient data screening with various clinical signs 3. To increase data accessibility 4. To minimize manpower wastage by data automation report 5. To reduce paper work and storage space 6. To improve operation efficiency with real-time patient data processing

Methodology

1. Collect comment and suggestion from stakeholders for the system requirement and development 2. Collaboration with IT colleague to develop the web based record 3. Develop a web program with 3 e-forms, data storage, data retrieve, data backup and simple data calculation function 4. Dynamic data link of 3 e-forms

Result

1. The web based APS record increases the easy accessibility for anaesthesiologist/Pain Team to initiate the APS, real time data retrieval with intranet. 2.

The system provides system activity log and multi-level authorization. 3. Time can be saved by real-time patient information retrieval in daily ward round. For monthly and yearly data audit with automated report generation and the manpower for information transmission and extraction is minimized. 4. The paper work and the record accumulation are largely reduced. All essential data is back-up in hospital server, so the record storage space and related manpower and expenses will also be reduced.