



Service Priorities and Programmes Electronic Presentations

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Submitting author: Mr Ho Yin MAN

Post title: Senior Nursing Officer, Princess Margaret Hospital, KWC

Developing the Patient Information Display System using mobile device in North Lantau Hospital

Man HY(1), Chong YH(1), Kong SK(1), Yau CC(2), Leung HT(2), Wong WH(2), Tong KM(3), Lau KW(3), Sham SF(4), Leung SY(4), Choi PW(5)

(1) North Lantau Hospital Commissioning Office. (2) Department of Oncology, (4) Accident & Emergency Department, (5) Hospital Management, Princess Margaret Hospital, (3) Information Technology Department, Kowloon West Cluster.

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Introduction

It is a common practice in hospitals to display patient's information using different laminated labels in an acrylic label holder over patient's bed head to facilitate patient care. The displayed information may include name of patient / case Medical Officer / case nurse, diet and fluid restriction, allergy, fall risk and isolation precaution etc. However nursing or supporting staff are required to insert or remove all these labels in the label holder when patient is admitted, discharged or when swapping of bed is required. Infection control is another concern when using the laminated labels in daily operation.

Objectives

To develop Patient Information Display System using mobile device so as to enhance the communication amongst the healthcare team, ensure patient safety and reduce non-value added workload.

Methodology

Survey was conducted in 1Q 2012 to consolidate user requirements from frontline staff as well as members of PMH Information Technology Interest Group. Software prototype was developed by PMH Oncology Team and revamped by KWC IT Department to meet HA IT standards.

Result

Patient Information Display System is planned to pilot with the developed software and selected mobile device in Emergency Medicine Ward, Princess Margaret Hospital in February 2013. Expected benefits of the system included: 1. Provide healthcare team with patient key information as well as any special precaution to be taken. It thus minimizes the occurrence of clinical incident e.g. taking blood pressure over arm with AV shunt done. 2. Enhance the communication amongst healthcare team particularly in shift handover. 3. With the displayed information e.g. dietary restriction, it can engage patient as well as significant others in the caring process. 4. Display of

calendar synchronous clock in the mobile device can facilitate healthcare workers to document the time of events accurately in the medical records. 5. Save the time of nursing and supporting staff in maintaining existing label holder practice. 6. Serve as a monitoring tool of bed utilization for hospital / nurse managers. 7. Money-saving in comparing with commercial products and system.