

PATIENT LOCATION MODULE (PLM)

Locating Inpatients with Ease @ ED

ACCOLADES

- ❖CGH Quality Forum 2013 (Silver Award)
- ❖MOH Health-PASS funding
- ❖Coverage by Channel 8 News as example of innovation in hospitals

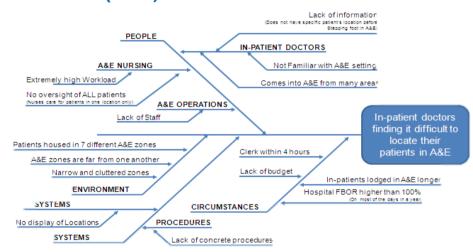
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BACKGROUND

Changi General Hospital (CGH) faces persistently high Functional Bed Occupancy Rates. Admitted patients often have to wait for hours in the Emergency Department (ED) for an inpatient bed. Inpatient clinicians look for their respective patients to initiate treatment but with the overcrowding in the ED, the process of finding a patient becomes time-consuming and exasperating. The ED team took up the challenge to design a system that captures inpatients' locations with ease.

OUGHT PROCESS

The ED team made use of the root-cause analysis (Fishbone diagram) during our brainstorming sessions. After much discussion, Patient Location Module (PLM) was devised.



METHODOLOGY

PATIENT LOCATION MODULE (PLM)

The ED team envisioned a system with the below in mind:

Capture location of all admitted and observed patients in the ED, and > Display the info electronically (intranet and within ED)

RESULTS Before PLM 10-30 **TIME TO** LOCATE PATIENT / With PLM 1 min

Other benefits

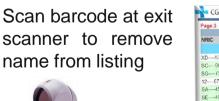
- ✓ Improved patient safety (inpatient) treatment initiated promptly)
- ✓ Increased productivity (less time spent to locate patients)
- Improved morale

WORKS With the expertise gained,

FUTURE

ED team is now developing an RFID system to track location by bed level and to integrate it with the bed booking system for enhanced efficiency.

Time Savings: > 1000 hours/month



Exit scanner



Displayed at Nurses' Station in ED Observation Room. URL available on Intranet for all staff

STAFF TRAINING



Adequate training was given with the help of an in-house produced video. (Available in the CGH Intranet)



location will be captured

Patient's barcode

scanned at specific

Area scanner

Changi General Hospital



