Preparation of IPMOE in PWH (A local IT prospective) – facilitating a smooth IPMOE rollout and laying infrastructure for what a modern ward needs

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Introduction
IPMOE was implemented in PWH as batch 2 hospitals. As at Jan 2015, all medical wards, surgical wards, Eye/ENT wards, private ward, Operating Theatres, inpatient procedures areas, ICU, Gynecology wards and Orthopedics wards completed their pioneering efforts for the mission of patients’ medication safety. As it started, PWH IPMOE Taskforce and local IT decided on an approach to ensure smooth IPMOE implementation with laying infrastructure for mobility which a modern ward needs.

Objectives
In order to achieve safe and efficient implementation of IPMOE, Taskforce explored suitable mobile devices to clinical and nursing staff in working for high accessibility of IPMOE on a large scale. HA wifi and mobile devices cabinets were installed as mandatory infrastructure for all wards in PWH.

Methodology
1. To install IT infrastructure with enhanced or new HA wifi coverage at each corner in all wards supporting IPMOE implementation; 2. To explore mobile devices empowering uses of new IPMOE functionalities at bedside. 3. To install mobile device cabinets in wards for charging and storage of mobile devices supporting mobility at operation. 4. To develop rollout model and contingency plans with Risk Management and HO IT teams; 5. To develop a web portal to enhance staff engagement and foster instant and efficient communication and information retrieval among all colleagues.
**Result**

Wifi was tested repeatedly with help of HOIT teams, blind spots were identified and around 127 additional antennae are installed for effective coverage. This facilitated IPMOE and laid a good foundation for other possible mobile technology in future; Mobile devices on a large scale including 404 toughpads with bluetooth scanners & printers and 205 iPad Air with security and connectivity to CMS were installed in wards. User expectations were met and this facilitated HO IT to explore future usage and direction; A contingency plan was laid down and exercised by PWH IPMOE Taskforce and our Risk Management Team. The drill was arranged before the implementation to help users to familiarize the plan on 17 June 2014; "NTEC iPMOE" web portal was developed under PWH intranet to facilitate the information retrieval and dispersal. Reference materials were linked. It laid a foundation for future NTEC hospital roll out with local customization.