Introduction
To fulfill the operational needs, about 40 numbers of staff members including doctors, nurses, ward clerks and care related supporting staff are required for day and evening shifts daily. To ensure patient safety and operational efficiency, staff members are assigned to various functional areas. To enhance staff-to-staff and patient-to-staff communications, it is important to let all the staff and patients to apprehend accurately the real time deployment situations. Such information can inform all staff of the currently available skill-mix and manpower status which is crucial for decision making in dealing with the ultra-dynamic and challenging working environment in A&E.

Objectives
To develop, by applying iterative approach, a computer-assisted real time display system namely Team Deployment Dashboard (TDD) to show clinical staff deployment details for current shift in the A&E.

Methodology
Currently a manual dashboard, using a white board and magnetic labels, is in place to display staff names, assignments and meal turns. Ward clerks or supervisors need to update the magnetic labels each shift. Such maneuvers imposed considerable workload to the already very tight manpower. The work flow improvement team employed an innovative method to address the issue. By using an office PC under Windows operating system, EXCEL has been used to create the database. Each staff member was assigned a unique staff identification code and their duties entered into the database. By manipulating the database, team deployment data displayed in a 42” TV by PowerPoint application automatically. TDD provided the staff with a convenient way to perform the task.
Result
Result A TDD prototype was ready by early January 2015. Iterative approach had been applied with an aim to refine the programme. All nurse supervisors and ward clerks were invited to try manipulating the database and observe the display. Most of them appreciated the system efficiency and effectiveness while some worried on the display quality and potential PC failure. Conclusion The TDD has been well accepted by users and valuable comments received which make continuous refinement and adjustment of the display system possible.