**Service Priorities and Programmes**

**Electronic Presentations**

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# An Electronic Data Collecting Device to Increase Efficiency of Data Manipulation

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## Introduction

To evaluate the outcome of a clinical service, measurement of different parameters and patient's opinions for interpretation are necessary. Data collection, input and processing are always time-consuming. Since 2014, the electronic data collecting device was introduced in Enterostomal and Wound Nurse Clinic for manipulation of non-sensitive data. The device serves to integrate data collection, data input and data processing functions so as to replace a lot of manual works.

## Objectives

1. To reduce manpower in data collection, data input and data processing. 2. To store data in a reliable server and retrieve it at any time for interpretation. 3. To save papers and storage in clinical area.

## Methodology

A well-designed questionnaires were pre-set in a tablet computer. Patients and healthcare professionals could launch the 'Apps' to input information according to the pre-set questions. Once completed the questionnaires, the data would be sent to server simultaneously for manipulation. The results could be generated from the database for further processing.

## Result

Different kinds of survey had been conducted in Enterostomal and Wound Nurse Clinic with the aid of the electronic data collecting device, such as patient satisfaction survey, statistic of multidisciplinary referral, patients' quality of life survey, etc. All

patient could operate the device after a brief instruction and they found the procedure was smooth and simple. That non-sensitive information was simultaneously transferred to the server once the questionnaires were completed. Only the authorized healthcare professionals could login the server and capture the results as statistical format for easy and convenient interpretation. These saved not only papers and storage in clinical area, but significantly reduced a considerable manual work in data manipulation. To conclude, adopting the electronic data collecting device was a reliable and simple way to reduce many manual works as it integrated data collection, data input and data processing functions. The ‘ready to use’ Data was stored in server and could be captured at any time for statistic purposes. It also saved papers and storage in clinical area.