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**Enhancing the accuracy and efficiency on documentation and disposal of Unserviceable Dangerous Drugs by implementing a computerized Data Entry and Report Generation Program at Princess Margaret Hospital Pharmacy**

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**Introduction**  
Disposal of Unserviceable Dangerous Drugs involved a series of documentation and working procedures. It had been a time-consuming and error-prone process due to the need for manual input of data and transcribing the data to create various relevant documents for the condemnation process.

**Objectives**  
The computerized “Unserviceable Dangerous Drugs Data Entry and Report Generation Program” was designed to automate the process by facilitating the input of data so that different documents could be easily and accurately generated with minimal transcribing.

**Methodology**  
The “Unserviceable Dangerous Drugs Data Entry and Report Generation Program” was designed and implemented since October 2013. This data entry program used a simple template, with linkage to the dangerous drugs database and allowed the pharmacy staff to enter the transaction data in a more efficient way. After a master database was created, various documents with tailor-made formats could be generated. A study was designed to measure the impact of using such a data entry program on (1) accuracy and (2) efficiency during the pre-implementation period (February to September, 2013) and the post-implementation period (October 2013 to January 2014).

**Result**  
The accuracy on preparing the monthly “List of Materials for Condemnation as
Unserviceable” report improved from 83% to 100% due to reduction of manual transcribing. Most importantly, the overall processing time for the disposal of unserviceable dangerous drugs was decreased dramatically by 81.5% from 330 minutes to 61 minutes every month. In addition, data analysis could be done with the creation of a master database. Overall, the program enhanced the accuracy of documentation, and the efficiency of the whole condemnation management process.