Develop and Integrate a Computerized Bar Code System to Enhance the Efficiency of Aids Loan Service Provision
As patients’ conditions become more frail with the prevalence of terminal and late stage of diseases, adaptive aids for transitional use is much prominent.

Aids loan service plays a significant role in facilitating patients to discharge home and have home or day leave.

In the past five years, the demand of the service had been increased by 40%.
Objective

• To develop and integrate a computerized bar code system for aids loan service to improve efficiency and accuracy in the daily operation

• To incorporate the elements of infection control, patient safety and occupational safety health so as to meet quality standards
Methodology

Categorization of aids items

Aids Loan Service

- Wheelchair mobility
- Bathing & toileting
- Pressure relieving
- Positioning
- Transfer & manual lifting

Assignment of barcode labels

Occupational Therapy Department Shatin Hospital
Methodology

Computer operating screen

Computer print out loan form

Occupational Therapy Department Shatin Hospital
Methodology

- OSH
- Efficiency
- Patient safety
- Infection control

Quality Assurance

Occupational Therapy Department Shatin Hospital
Result

<table>
<thead>
<tr>
<th></th>
<th>Therapist</th>
<th>Clerk</th>
<th>Relative</th>
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</thead>
<tbody>
<tr>
<td>Manual system</td>
<td>1726</td>
<td>75</td>
<td>1709</td>
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<tr>
<td>Barcode system</td>
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<td>836</td>
<td>1385</td>
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</tbody>
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- **94% reduction in therapist’s time**
- **81.3% reduction in manpower cost**
- **Outstanding loan items dropped from 40% to 5%**