

Develop and Integrate a Computerized Bar Code System to Enhance the Efficiency of Aids Loan Service Provision

Background

- 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



Assignment of barcode labels



Methodology

Computer operating screen

新租用單

職員編號: ADMIN
職員姓名: Wong Siu Ming
病人ID: A0123456
病房/病床號: 3A/05
治療師: 009 Nelson Chan

系統編號: Back Office
租用單編號: HQR14091200001
日期: 12-Sep-2014
時間: 09:40:50 AM

器材資料
器材編號: 數量: 1
器材名稱: Bed side rail
租用期限
開始日期: 12-Sep-2014
結束日期: 12-Oct-2014

器材編號	器材名稱	數量	按金	開始日期	結束日期	續
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>
						<input type="checkbox"/>

總數量: 0

備注: 總按金額: 0.00

Computer print out loan form

借出記錄編號: HQR14091100016
沙田醫院
職業治療部
外借輔助器具同意書

病人姓名	Wong Siu Ming	病人 ID	A0123456	病房/床號	3A/05
家屬姓名	Wong Tai	家屬 ID	B0123456	聯絡電話	96385274
借用日期	11/08/2014	預計歸還日期	10/09/2014	員工姓名	Nelson Chan

物資名稱	物資編號	按金
Adjustable bed rest	ADL-AR-2011-015	350.00
Low Obus	BC-L-2003-103A	350.00
Roho High Profile 18"	SC-A-1992-166A	1,000.00
Rubbermaid	BT-BB-1992-011	350.00
Invacare 16"	WC-R-1992-118A	1,000.00
總按金		3,050.00

職員簽署

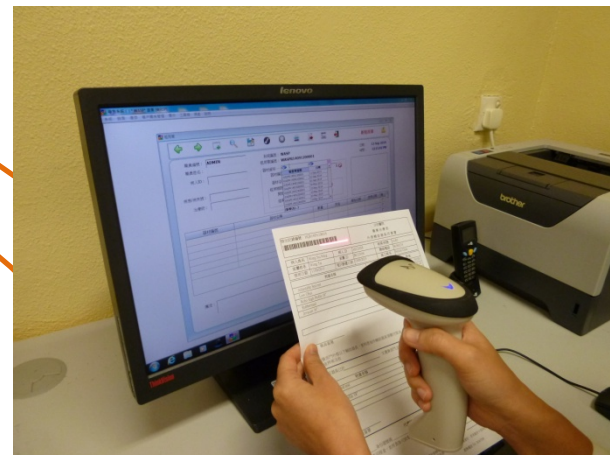
家屬/病人簽署

本人茲向貴部門外借以下輔助器具，更明悉每件輔助器具須繳付按金，並在借用期間如有任何損壞或過期歸還，按金將被沒收

Methodology



OSH



Efficiency



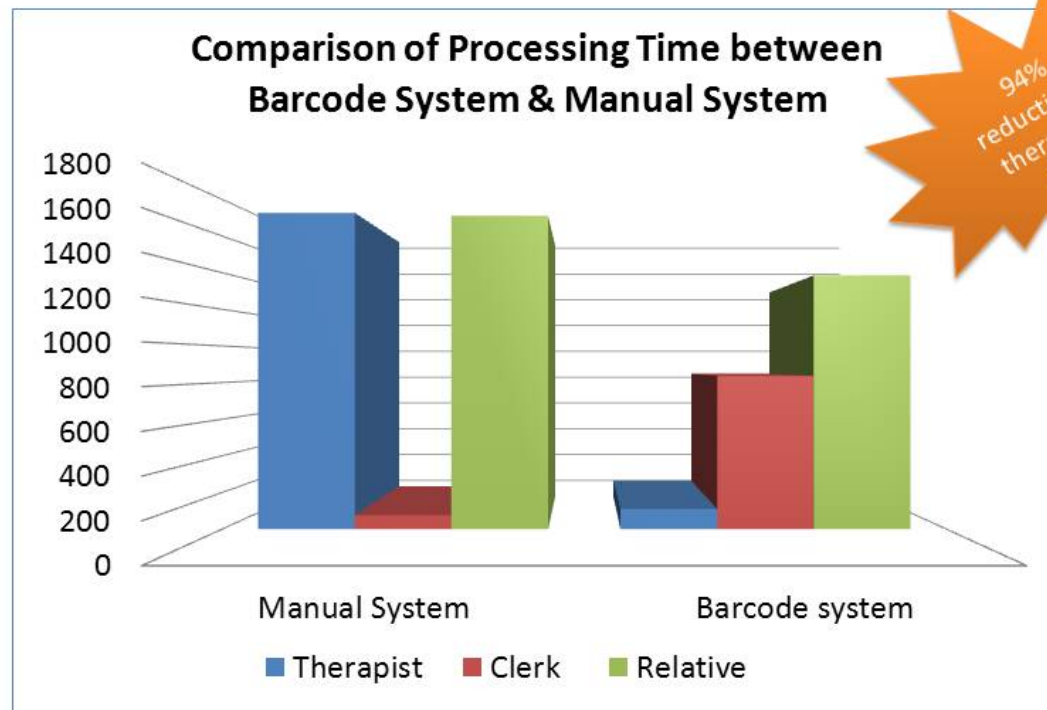
Patient safety



Infection control

Result

	Processing time in second		
	Therapist	Clerk	Relative
Manual system	1726	75	1709
Barcode system	110	836	1385



- ✓ 94% reduction in therapist's time
- ✓ 81.3% reduction in manpower cost
- ✓ Outstanding loan items dropped from 40% to 5%