

Singapore Healthcare Management 2018 PROJECT SPARK

SOLVING PHARMACY REWORK

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Total

Data Collection Form

Date							
Queue No.							
Reasons for Rework	Patient's Request	Cost Consideration	Change in Quantity	To add on drug	To remove drug	Unclaimed rework	Others
	Billing Issues	Discount	Medisave	Third Party	Others		
Time (mins)							
Detected							
By							

Data Analysis

% Reduction	/ Total Prescription with Rework _{Baseline} Total Prescription with Rework _{After} Total Prescription Processed _{Baseline} Total Prescription Processed _{After}
In Rework*	Total Prescription with Rework_{Baseline}
	*Billing &/or Patient Request Rework

Prescription	156	51	228	99	384	154
with Rework						
Total						
Prescription	13,562	14,457	13,562	15,511	13,562	15,511
Processed						
% Reduction	60 220/		62 020/		61 0104	
In Rework	09.33%		02.03%		04.94%	
Total Time						
Spent on Case	728	290	1161	334	1889	585
(mins)						
Absolute Time Saved	Before Optimization 728mins Billing R Time Saved <u>438mins</u> One Workday	eworks After Optimization 290mins	Before Optimization 1161mins Patient R Rewo Time Saved <u>827mins</u> Two Workdays	After Optimization 334mins	Before Optimization 1889mins Billing Patient R Rewo Time Saved 1304mins 2.5 Workdays	g & equest rks After Optimization 585mins

Conclusion

Rework contributes to an unnecessary waste of pharmacy resources, affects waiting time of patients and disrupts workflow in the pharmacy. Pharmacy workflow initiatives can be implemented to reduce rework, which in turn optimizes resource.

Phase I: Billing Workflow Optimization



Nonetheless, further studies should be done to investigate the sustainability of such initiatives, which is needed to maintain a positive long term effect on pharmacy operations.

Acknowledgement

Special thanks to all SGH Blk 4 Level 1 Outpatient Pharmacy staff who assisted in the implementation of the workflow initiatives and data collection.