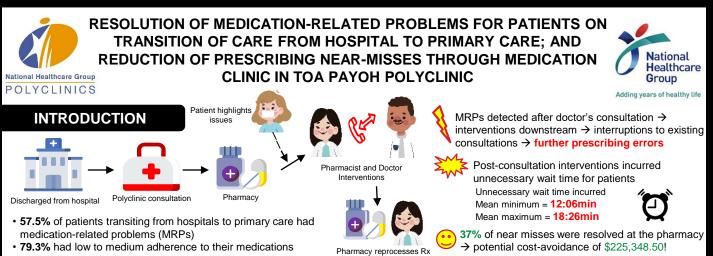
BEST PRACTICES

Issue No. 6 June 2020

Pharmacy-Related Quality Improvement Projects in Singapore

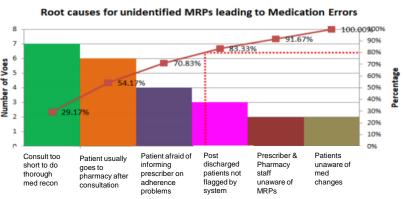


Objective: To identify and resolve 100% of medication-related problems not due to adherence on transition to primary care and to reduce prescribing near-misses by 50% within 3 months

ANALYSIS OF PROBLEM

The study team took a vote to determine which issues to tackle and 3 main issues were highlighted:

- Doctor's consultation too short for thorough medication reconciliation (MR)
- 2. Patient usually visits pharmacy *after* the doctor's consultation
- 3. Patient is **afraid to inform doctor** of problems with medication adherence



Main Concerns

120%

100%

80%

60%

40%

20%

2

Admin

Problem	Doctor's consultation too short for thorough MR	Patient usually visits pharmacy after the doctor's consultation	Patient is afraid to inform doctor of problems with medication adherence
Intervention (Medication Clinic implemented on 1 st Dec '17)	Pharmacist to perform MR	MR to be performed <i>prior</i> to seeing doctor	Pharmacist to assess adherence and check supply balance as a marker of compliance during MR

Types of Medication Related Problems (MRPs) (TOA)

(Dec 17 - Feb 18)

Safety

Non adherence-related MRPs: 100% resolution

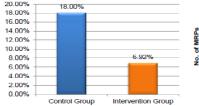
Adherence-related MRPs: 80.74% resolution

Efficacy

IMPACT

INTERVENTIONS

Comparison of Prescribing Errors Rate Between Control and Intervention Group



Prescribing errors were reduced from 18.0%

(n = 50, control group) to 6.9%

(n = 130, intervention group)

Challenges:

Manual recording of MRPs → time consuming and tedious

No single source of truth \rightarrow difficult for pharmacist to reconcile medication records Adherence-related MRPs \rightarrow difficult to be resolved within the same visit Discharged patients who were not referred to NHGP via contact centre appointment booking email workflow \rightarrow missed from paired medication clinic consultation service

140

120

100

80

60

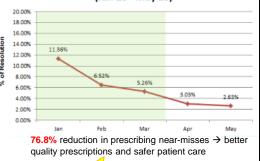
40

20

120

Adherence

% of Patients with Prescribing Near Misses (Jan 18 - May 18)



Estimated Total Potential Cost Savings= USD 632,475.00 ≈ SGD 822,217.50 !



Special thanks to NHG team for sharing. For more information, please contact: Ms Lim Li Ching at Li_Ching_Lim@pharmacy.nhg.com.sg

Indication

Presented by: PSS Hospital Chapter