CHI Learning & Development (CHILD) System



Project Title

Improving Patients' Safety Indicators (Problem List Review & Medication Reconciliation) In Jurong Community Hospital

Project Lead and Members

Project lead: Dr Low Li Lian

Project members:, Dr Alvin Ong, Ms Jasmine Chua

Organisation(s) Involved

Jurong Community Hospital

Healthcare Family Group Involved in this Project

Medical

Applicable Specialty or Discipline

Post Acute and Continuity Care

Aims

We aim to improve the safety of patients' clinical handover by increasing the percentages of problem list updated on admission and discharge; and discharge medications reconciliation on the EMR from monthly average of 66.7%, 41.7% and 82% respectively in Jan - Feb 2021 to more than 90%, 90% and 95% by Dec 2021.

Background

See poster appended/ below

Methods

See poster appended/ below



CENTRE FOR HEALTHCARE INNOVATION.

Results

See poster appended/below

Lessons Learnt

With adequate reminders and orientation to inculcate change behaviour, compliance with Problem List review as well as medication reconciliation can be improved, leading to proper documentation for continuity of care of the patient.

Conclusion

See poster appended/below

Project Category

Care & Process Redesign, Value Based Care, Safe care, Adherence rate

Care Continuum, Acute Care

Keywords

Epic Problem List, Medication Reconciliation

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IMPROVING PATIENTS' SAFETY INDICATORS (PROBLEM LIST REVIEW & MEDICATION RECONCILIATION) IN JURONG COMMUNITY HOSPITAL

MEMBERS: DR LOW LI LIAN (SRP, PACC), DR ELAINE JUMALON (RP, PACC), DR ALVIN ONG (CONSULTANT, PACC), MS JASMINE CHUA (SNR ASST MANAGER, CLINICAL QUALITY)

✓ SAFETY ✓ QUALITY □ PATIENT EXPERIENCE □ PRODUCTIVITY □ COST

Define Problem, Set Aim

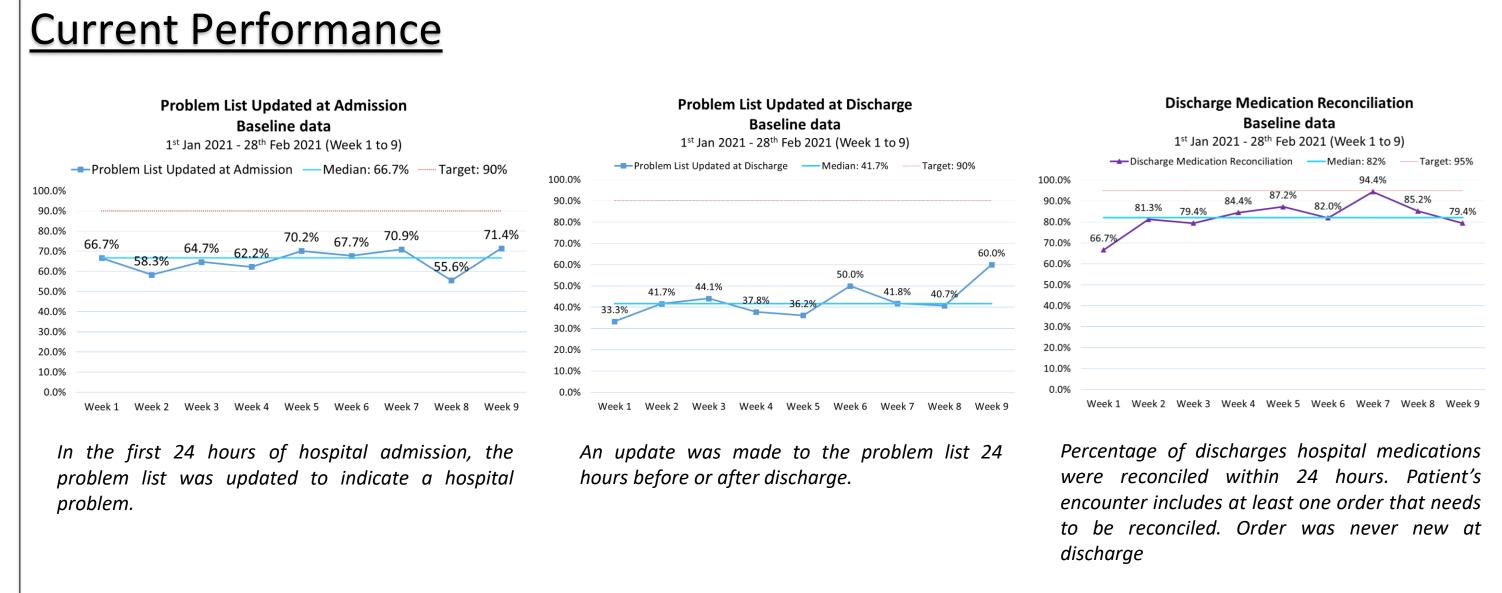
Problem/Opportunity for Improvement

It was noted at a campus level audit meeting that certain patient safety indicators are poorly adhered to, namely: "Problem list updated on admission and discharge", "Discharge medication reconciliation". These are important trackers as they are crucial clinical handover checkpoints that ensure a safe and proper handover/continuity of a patient's care journey. The team endeavor to use the principles of QIP to introduce relevant interventions and track the improvements of these indicators.

<u>Aim</u>

We aim to improve the safety of patients' clinical handover by increasing the percentages of problem list updated on admission and discharge; and discharge medications reconciliation on the EMR from monthly average of 66.7%, 41.7% and 82% respectively in Jan - Feb 2021 to more than 90%, 90% and 95% by Dec 2021.

Establish Measures



In addition, we developed the following measures to help us assess the interventions' effectiveness in relation to the above outcome measures:

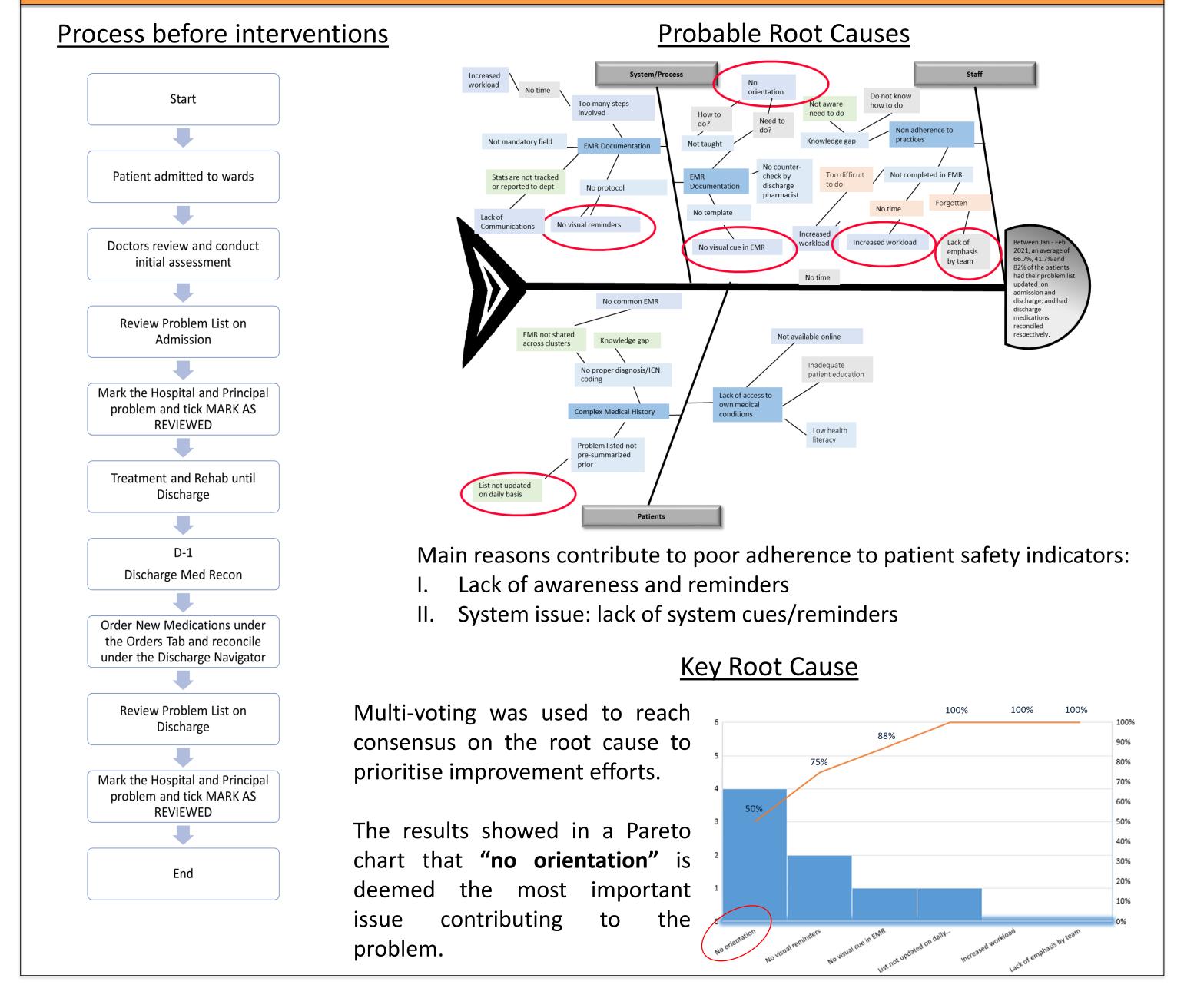
Process measures

 Admission clerking notes & Discharge summary 'Smartlink' compliance rate

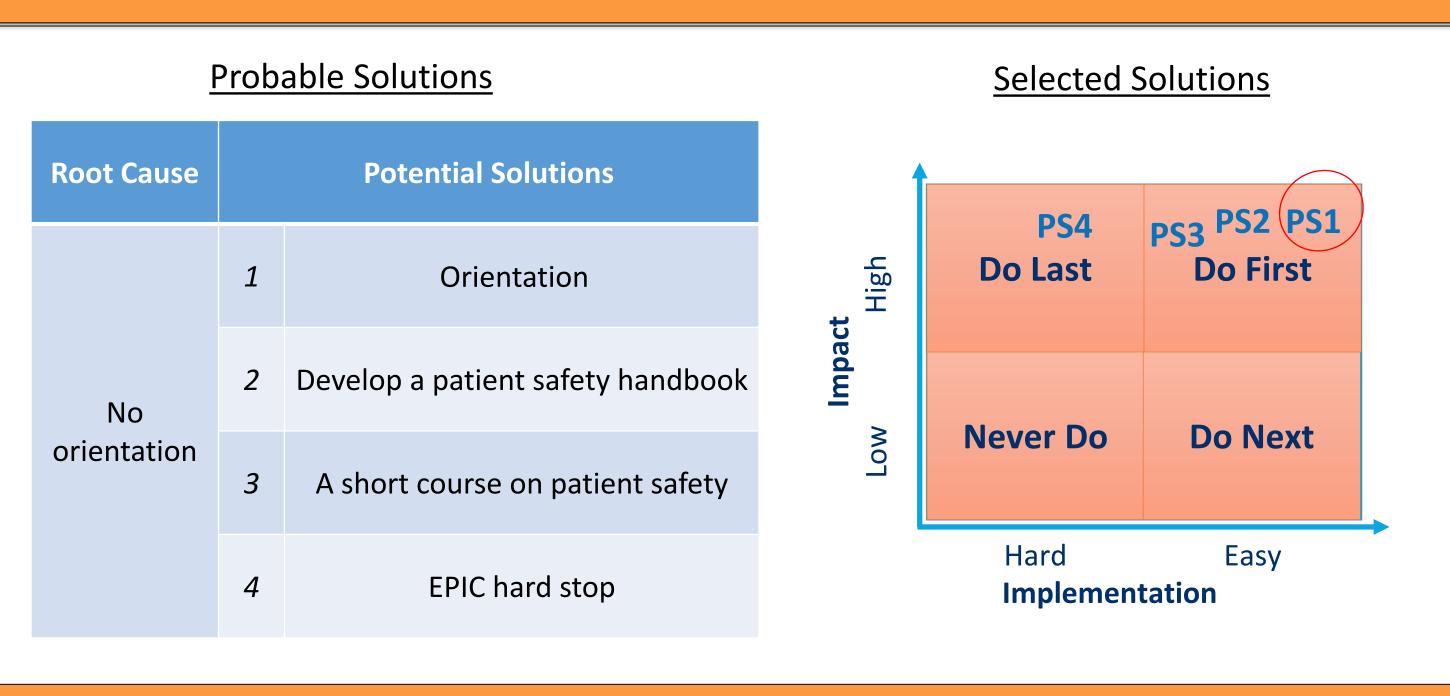
Outcome measures

- Staff satisfaction score
- Time taken to do pre-discharge

Analyse Problem



Select Changes



Test & Implement Changes

#	PLAN	DO	STUDY	ACT
1	understand the doctor's current practice and knowledge on patient safety indicators and staff satisfaction. Orientate the doctors on	Problem list updated at Admission improved significantly. However, the Problem list updated at Discharge did not improve as expected and the process measures showed a declining trend	The doctors had forgotten to document 'Problem list reviewed (smartlink)' in the admission clerking notes and discharge summary.	update the problem list at admission & discharge within 24hrs
2	Continue pilot for 4 weeks. Conduct a survey at the end of the cycle.	Discharge did not improve as expected. The process measures	performance. Post- intervention survey showed that the staff	accurately reflect the Metric for Discharge Medication Reconciliation.
Ward C3 & C12 1st Mar 2021 - 25th Apr 2021 (Week 1 to 8) 1st Mar 2021 - 25th Apr 2021 (Week 1 to 8)		90% 80% 70% 60% 50% 40.4% 40.4% 42.9% 40.00 31.6%	## C12 ### C12	Charge Medication Reconciliation Ward C3 & C12 Mar 2021 - 25 th Apr 2021 (Week 1 to 8) ication Reconciliation Target: 95% Median: 84% 94.7% 88.2% 90.0% 90.9% 82.4% Week 6: New batch of MO

Spread Changes, Learning Points

Increase in compliance observed (Median: 71%) when count in those problem list updated at D -1 &

D -2 and problem list updated within 24hrs but not

captured in system.

From Week 1 to 8, it was found out that those that

did not comply had u-turned to acute hospital. This

group should be excluded from metric scale.

However, noted 1 case failed metric due to nursing

ordering wound product upon discharge

Learning points

Based on our survey results, there is improvement in patient handover documentation without significantly increasing time taken for admission and discharge process.

With adequate reminders and orientation to inculcate change behaviour, compliance with Problem List review as well as medication reconciliation can be improved, leading to proper documentation for continuity of care of the patient.

Spread changes

Next phase: A second ward will be selected to implement the PDSA cycle with continual process to gather feedback from the clinicians on the feasibility and sustainability of the interventions, prior to full implementation to all wards in JCH.



