Turning data into action: improving patient care through real-time readmission notification, virtual huddle and workgroup analysis

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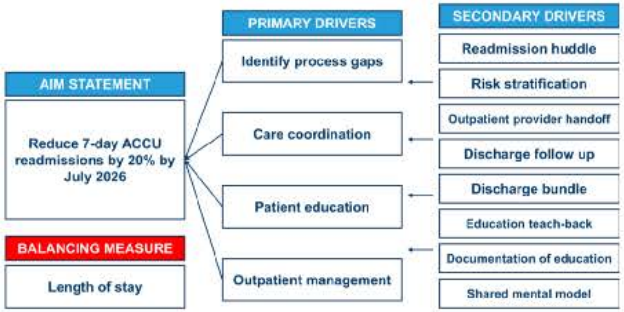
INTRODUCTION

- Local PAC3 7-day ACCU readmission events remain high compared to consortium (8% vs 5%).

METHODS

Key Driver Diagram (based on past data)



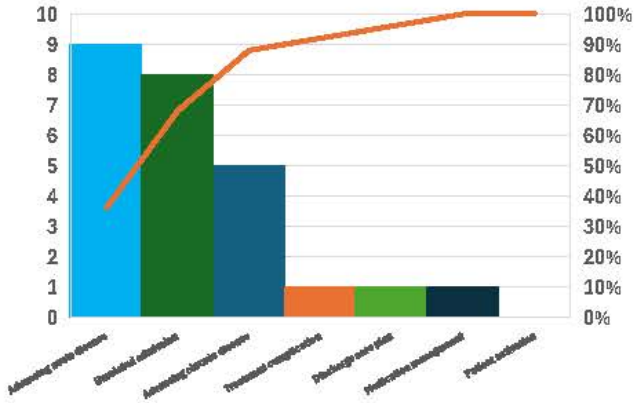
- Hospital wide collaboration led to creation of real-time event notification and performance awareness.
- Multi-disciplinary group evaluated individual events virtually upon notification and monthly for data review, trends and early interventions.

RESULTS

PDSA #1 (9/2025-1/26) "Notification and Review"

- Email notification: 18/21 events (86%)
- Virtual huddle completion: 18/21 events (86%)
  - 50% participated (wide representation)
- Monthly group review: 25/25 events
  - Preventability determination a challenge
  - 28% preventable; 36% not preventable
- Rapid interventions based on monthly reviews
  - Streamlined bowel regimen
  - Parent care unit (PCU) adjustment
  - Vaccine timing

Readmission Event Pareto Chart (n=25)

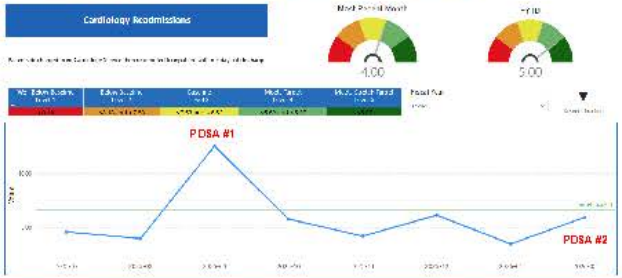


RESULTS

PDSA #2 (2/2026-Present) "Bundle and Follow Up"

- Structured rounding checklist (with D/C planning).
- Structured follow up call for surgical patients.

Readmission Rate Run Chart (FY2026)



CONCLUSION

- Automated event notifications improved timeliness of virtual huddle organization.
- Event reduction interventions have been identified despite variable huddle responsivity.
- Review consensus for "Unrelated Readmission" and "Preventable" events is challenging.
- Shared goals between the Heart Center and Hospital has led to bolstered resources and additional focused projects.

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