



# **A06 – TRACHEOSTOMY &/OR VENTILATION >95**

## **cost savings under a changed model of care**

**Royal Brisbane & Women's Hospital**

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**HRT 1602 Financial Performance Improvement Group**

**3-4 March 2016**

**Sydney**



# Key Problem

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- Patient's with a DRG of A06 have high LOS in ICU resulting in higher cost care
- High number of ICU readmission rates
- High number of MERT calls on this group of patients
- Limited coordination across ward based teams delivering care
- Identified areas of improvement from staff and patient surveys

# Aim of this innovation

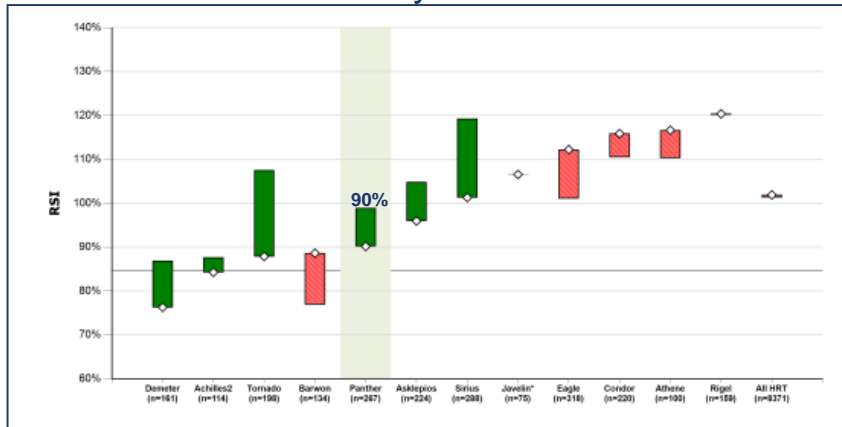
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- Reduce RSI for DRG A06A&B
- Reduce ALOS for DRG A06A&B
- Reduce cost of care for DRG A06A&B
- Reduce number of emergency readmissions for A06A&B
- Increase education and coordination for ward based care
- Improved clinical outcomes through a new multidisciplinary model of care

# Baseline Data

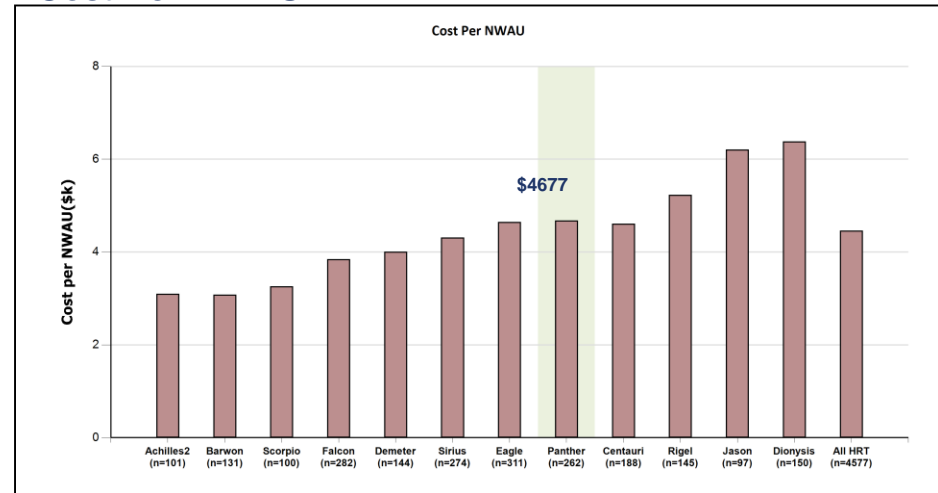
- Patients with DRG A06A & A06B – DRG A06C has been excluded
- 7,218 WAU over 18 months
- ALOS 24.2 days
- Relative stay index 90%
- Cos per NWAU \$4m667

Relative stay index



Source: HRT Inpatient Briefing Jul 2014 – Jun 2015

Cost Per NWAU



Source: HRT High Cost-Costing Briefings 20132014FY

# Key Changes Implemented

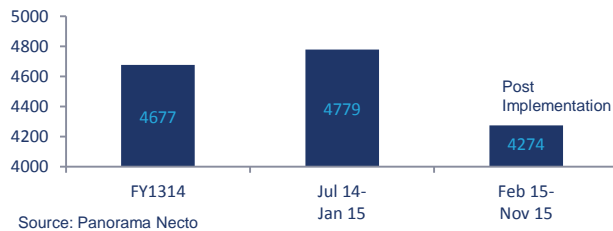
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- Conduct staff and consumer experience surveys
- Establish multidisciplinary steering committee (including finance)
- Conduct retrospective chart audit for baseline data
- Establish and implement multidisciplinary tracheostomy team
- Design and implement five day a week service
- Review, design and implement education for ward based staff

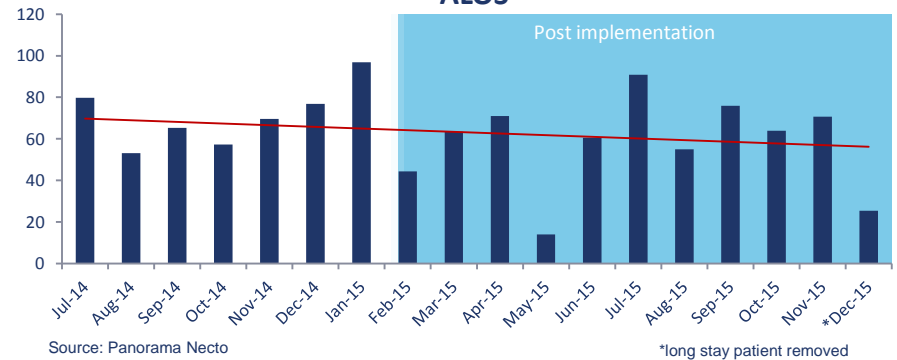
# Outcomes so far

- Trending down of cost per WAU for patient cohort
- Reduction in overall RSI by 1%
- Stable LOS at 24 days
- Reduction in Emergency Readmissions
- Reduction in days to decannulation

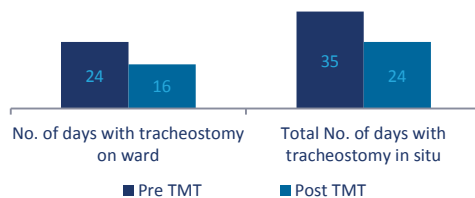
**Cost per NWAU**



**ALOS**



**Days to decannulation**



Source: TMT chart review RBWH

# Lessons Learnt

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- Engage stakeholders early
  - Look for clinical benefits not just cost savings
  - Staff feedback indicates the services both offers and identifies solutions to caring for this cohort of patients
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