



# Positive Reporting & Appreciative Inquiry in Sepsis (PRAISE)

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& the PICU Research Team



## Aim

The PRAISE project tests the hypothesis that together **positive reporting and appreciative inquiry** can be used as an intervention to facilitate behavioural change and improvement in the related areas of sepsis management and antimicrobial stewardship

## Background

### Learning from Excellence

– an innovation allied with Safety-II, resilience engineering & positive deviance

### Appreciative Inquiry (AI)

- the power of a conversation, generative, positive

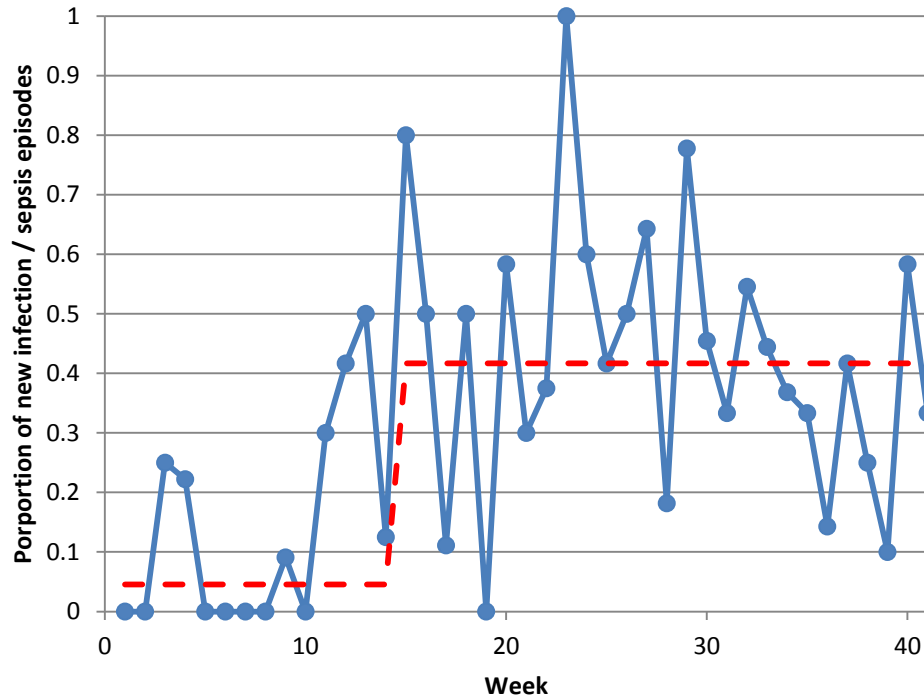
### Sepsis management and antimicrobial stewardship

– two sides of the same coin

## Method

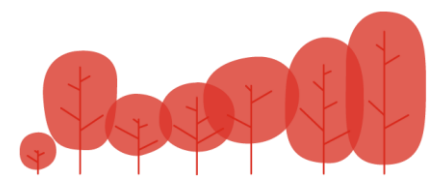
- **Continuous Quality Improvement** - weekly review of run charts
- **12-month study period** - sepsis & stewardship data at baseline, intervention & post-intervention phases
- **31 PICU bed charts screened weekly**
- **Positive reports aligned with improvement process measures**
  - a) 'gold standard' prescriptions (indication, review date, legible)
  - b) excellence in documentation (esp time to administration)
  - c) excellence in stewardship practice (esp review & de-escalation)
- **Followed up with AI conversations** - mini-AI, bedside format
- **Additional QI interventions** - bedside promotion, pharmacist at micro round, IR2s for 'anything related', RAG rating antibiotics, UK Sepsis Week, PRAISE sticker, focus on prophylaxis

### Use of PS6 tool for new antibiotics in PICU

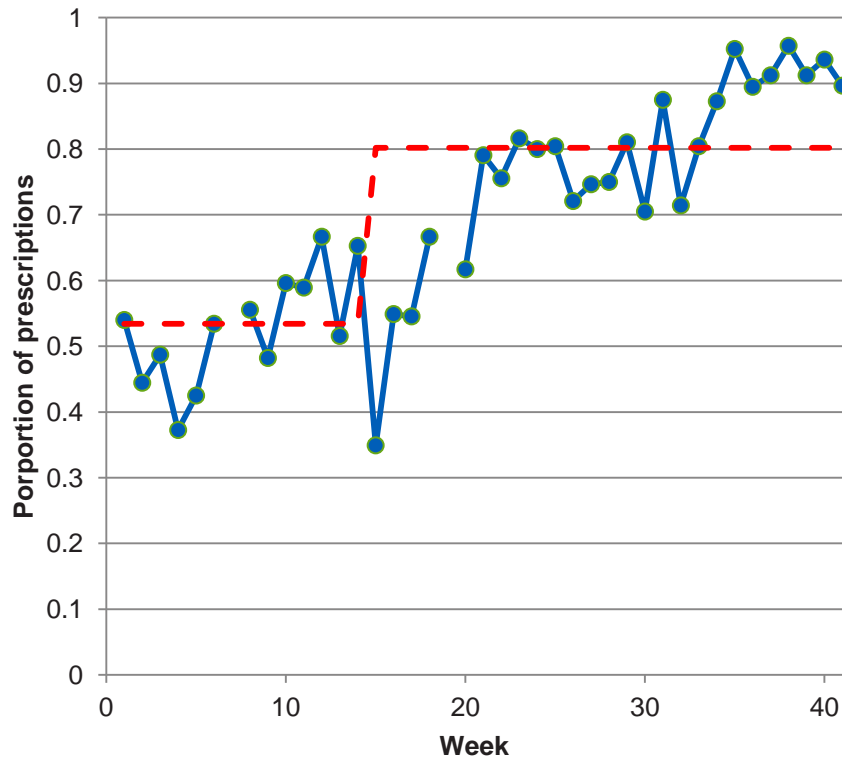


Median time to antibiotic administration  
(n=182)

Pre intervention (wks 1-13): 60mins  
Post intervention (wks 14-39): 30mins



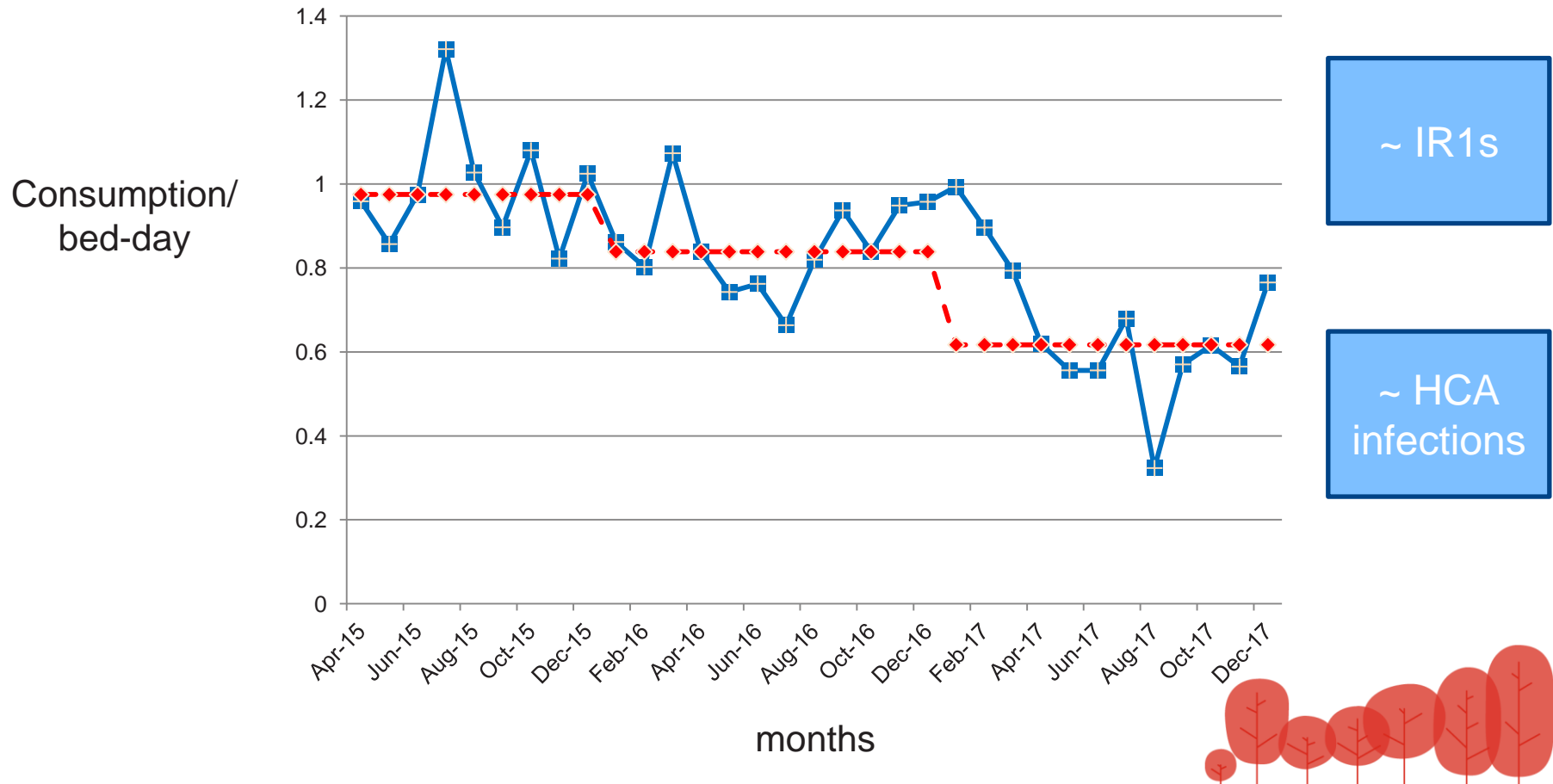
### Gold standard prescribing - (PICU)



Gold standard =  
clear indication,  
review date and  
entirely legible

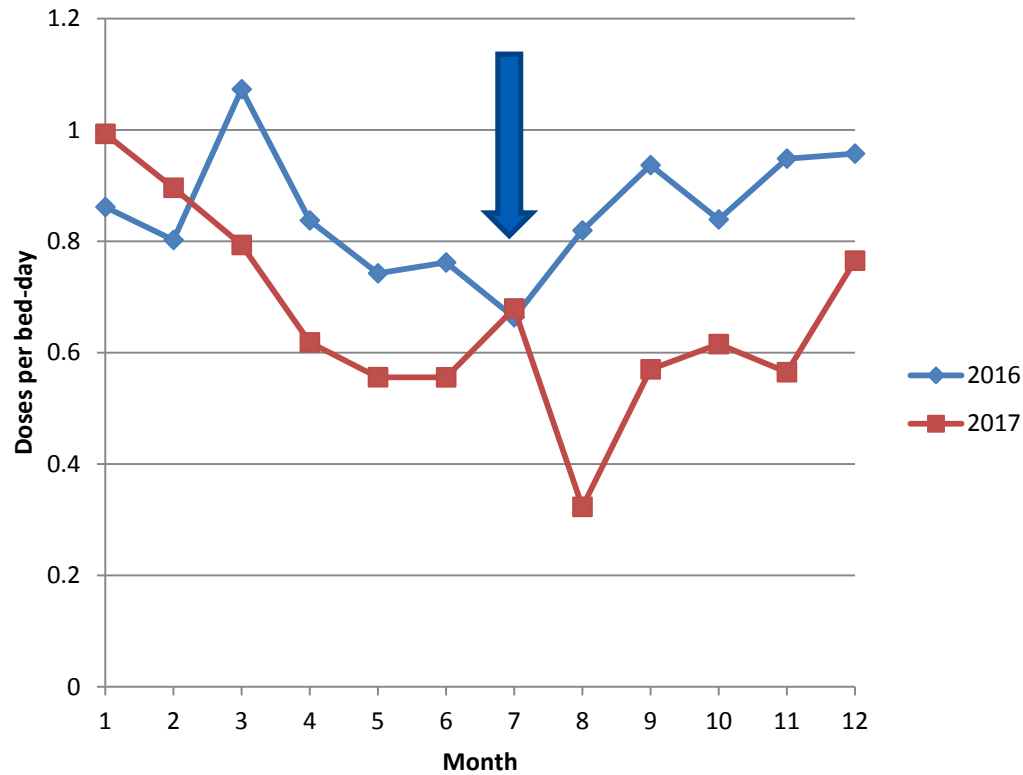


### Meropenem and tazocin by bed-days in PIC



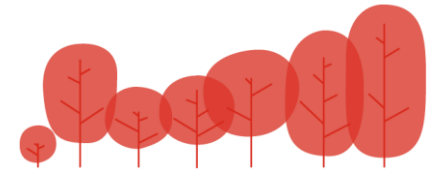
Meropenem and tazocin use (adjusted by bed-days)

Consumption/  
bed-day

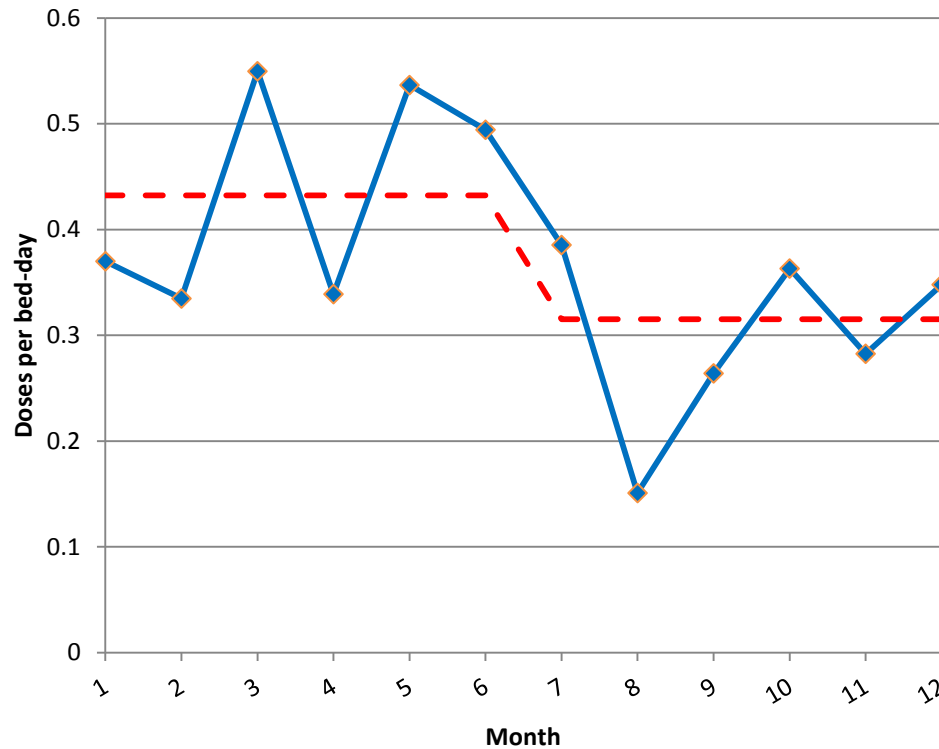


~ IR1s

~ HCA infections



### Meropenem use in PICU (2017)

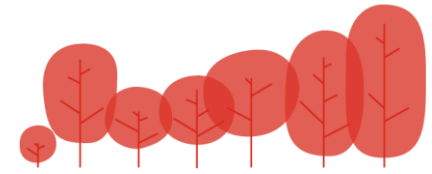


Consumption/  
bed-day

~ IR1s

~ HCA  
infections

*Meropenem use  
down by 17.6%  
during intervention  
phase cf. same  
time period in 2016*





## Conclusions

- It appears that 'Learning from Excellence' can have a positive impact on clinician behaviour leading to improvement in selected metrics
- Robust methodology & reliable data are needed to track improvements and provide credible results
- All themes inform on-going, real-world QI measures
- Future LfE interventions; Toolkit; LfE Community of Practice

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