Positive Reporting & Appreciative Inquiry in Sepsis (PRAISEe)

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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
Results

Median time to antibiotic administration (n=182)

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

Use of PS6 tool for new antibiotics in PICU
Gold standard = clear indication, review date and entirely legible
Meropenem and tazocin by bed-days in PIC

Consumption/bed-day

months
Consumption/bed-day

Meropenem and tazocin use (adjusted by bed-days)

- IR1s
- HCA infections
Consumption/bed-day

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

Meropenem use in PICU (2017)

- IR1s
- HCA infections
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

- AI themes inform on-going, real-world QI measures

- Future LfE interventions; Toolkit; LfE Community of Practice

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