



Overcoming Barriers to Improvement

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Effectiveness of a national quality improvement programme to improve survival after emergency abdominal surgery (EPOCH): a stepped-wedge cluster-randomised trial

Carol J Peden, Tim Stephens, Graham Martin, Brennan C Kahan, Ann Thomson, Kate Rivett, Duncan Wells, Gerry Richardson, Sally Kerry, Julian Bion, Rupert M Pearse, on behalf of the Enhanced Peri-Operative Care for High-risk patients (EPOCH) trial group*

Improving care at scale: process evaluation of a multi-component quality improvement intervention to reduce mortality after emergency abdominal surgery (EPOCH trial)

T. J. Stephens^{1,7*}, C. J. Peden², R. M. Pearse¹, S. E. Shaw³, T. E. F. Abbott¹, E. Jones⁴, D. Kocman⁵, G. Martin⁶ and on behalf of the EPOCH trial group

Hospital-level evaluation of the effect of a national quality improvement programme: time-series analysis of registry data

Timothy J Stephens,¹ Carol J Peden,² Ryan Haines,¹ Mike P W Grocott,³ Dave Murray,⁴ David Cromwell,⁵ Carolyn Johnston,⁶ Sarah Hare,⁷ Jose Lourtie,⁸ Sharon Drake,⁸ Graham P Martin,⁹ Rupert M Pearse,¹ On behalf of Enhanced Perioperative Care for High-risk patients (EPOCH) trial group

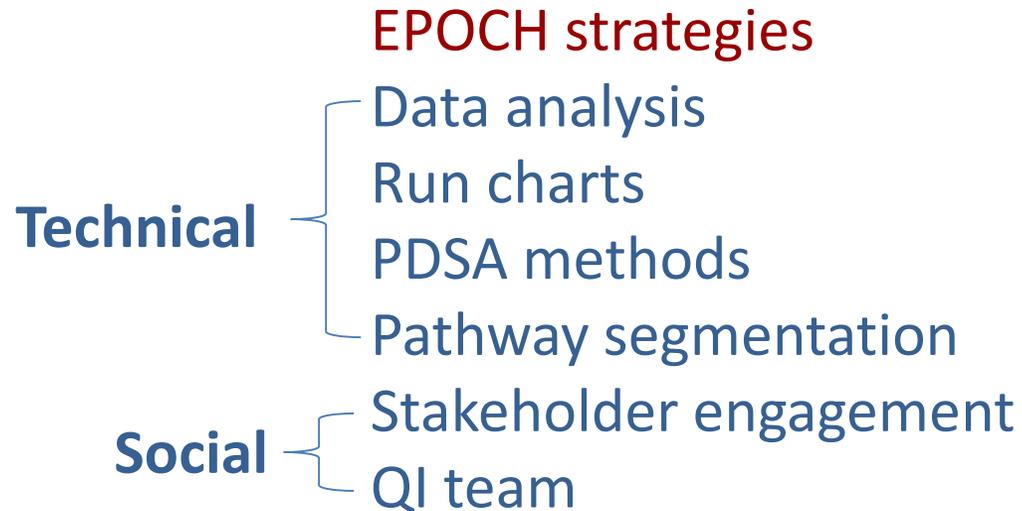
Challenges

1. Data collection & feedback
2. Time / resources / support
3. Engaging colleagues

Three Suggestions

1. Adopt a multi-faceted approach
2. Collaborate
3. Attend to local context

1. Multi-faceted approach



Using more strategies -> increased success (probably)

2. Collaboration



Share: data / skills / ideas

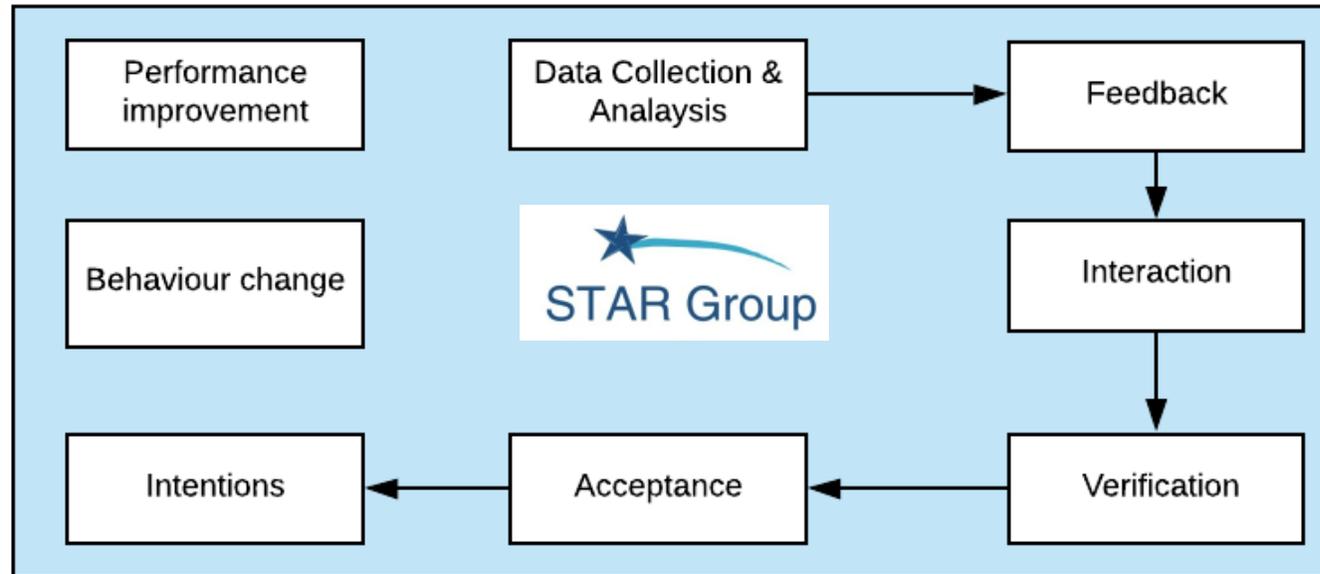


‘Internal’- the whole MDT and patients



‘External’- utilise networks such as:
Trainee networks / AHSNs / CPOC

A Successful Collaboration using PQIP data



PERIOPERATIVE ANAEMIA PATHWAY
THE AIM: OPTIMISE HB IN ANAEMIC PATIENTS AT RISK OF >500ML BLOOD LOSS



Other Successful Collaborations

JAMA Surgery | **Original Investigation**

Evaluation of the Collaborative Use of an Evidence-Based Care Bundle in Emergency Laparotomy

Geeta Aggarwal, MBBS; Carol J. Peden, MD; Mohammed A. Mohammed, PhD; Anne Pullyblank, MD; Ben Williams; Timothy Stephens, MSc; Suzanne Kellett, MBBS; James Kirkby-Bott, MBBS; Nial Quiney, MBBS; for the Emergency Laparotomy Collaborative

Are quality improvement collaboratives effective? A systematic review

Susan Wells,¹ Orly Tamir,² Jonathon Gray,^{3,4} Dhevaksha Naidoo,⁵ Mark Bekhit,⁶ Don Goldmann⁷

Accelerating the Pace of Surgical Quality Improvement

The Power of Hospital Collaboration

Darrell A. Campbell Jr, MD; Michael J. Englesbe, MD; James J. Kubus, MS; Laurel R. S. Phillips, RN, MSN; Charles J. Shanley, MD; Vic Velanovich, MD; Larry R. Lloyd, MD; Max C. Hutton, MD; Wallace A. Arneson, MD; David A. Share, MD, MPH

3. Context

Understanding Context = 'Situational Awareness'

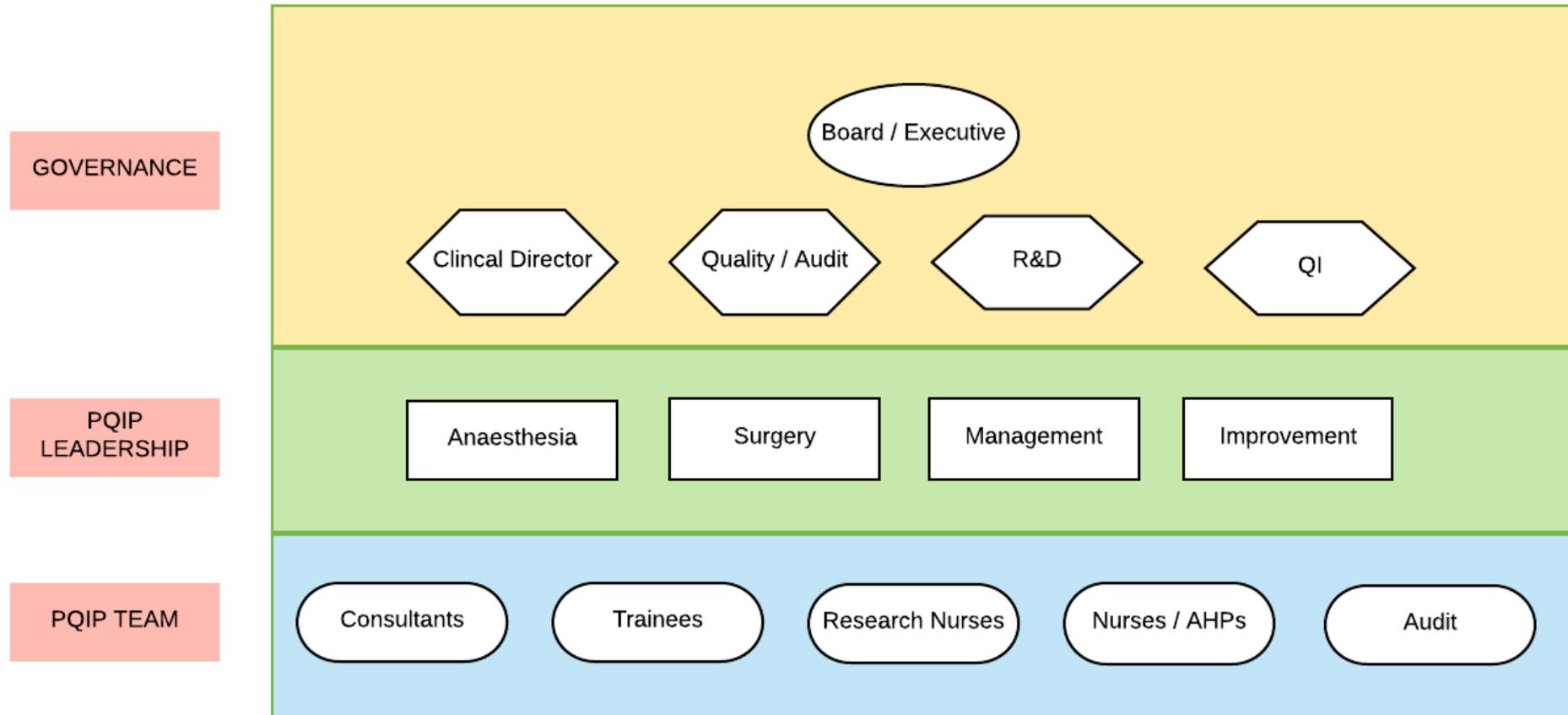
MUSIQ v2.0 (Reed et al, 2018)

Choose improvement targets to suit the context

Consider the *social* aspects of change?

- Leadership
- Morale
- Ownership

PQIP Ownership



Thank You

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