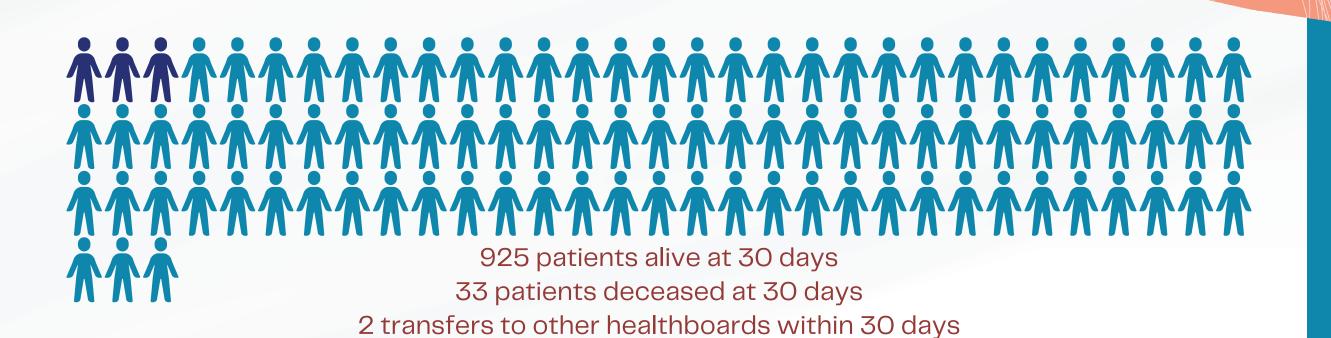
A Retrospective Analysis of Rib Fracture Outcomes Between 2018–2023 in Aberdeen Royal Infirmary

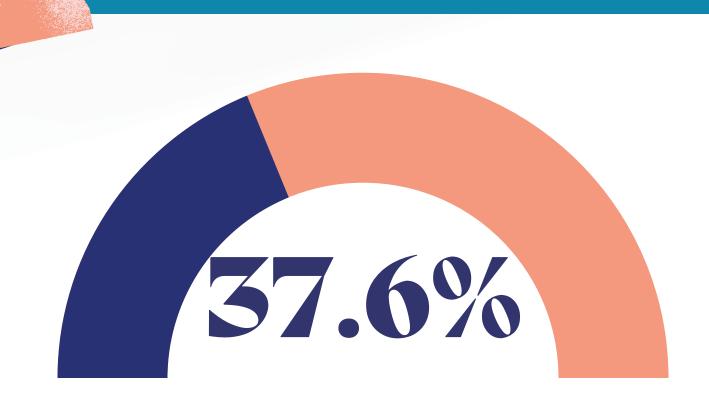
NHS Grampian

Dr Jonathan Miller – Specialty Trainee Anaesthetics, NHS Grampian Rachel Dee – 5th Year Medical Student, Aberdeen Medical School Dr Colin Patterson – Consultant of Anaesthesia and Acute Pain, NHS Grampian

960 PATIENTS

Referred to Aberdeen Royal Infirmary Acute Pain Team with rib fractures.





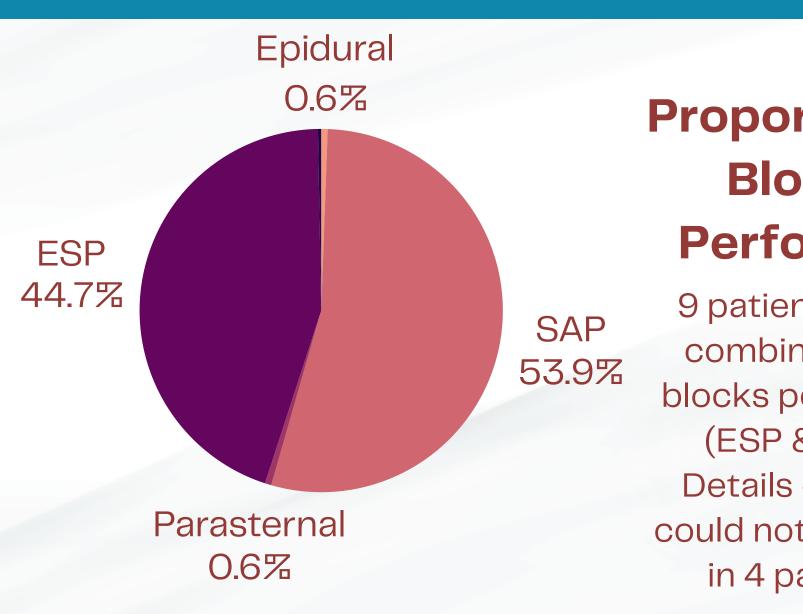
% PATIENTS REGIONAL INTERVENTION

Average Rib # Score:

Block Group – 11.3 No Block Group – 7.7

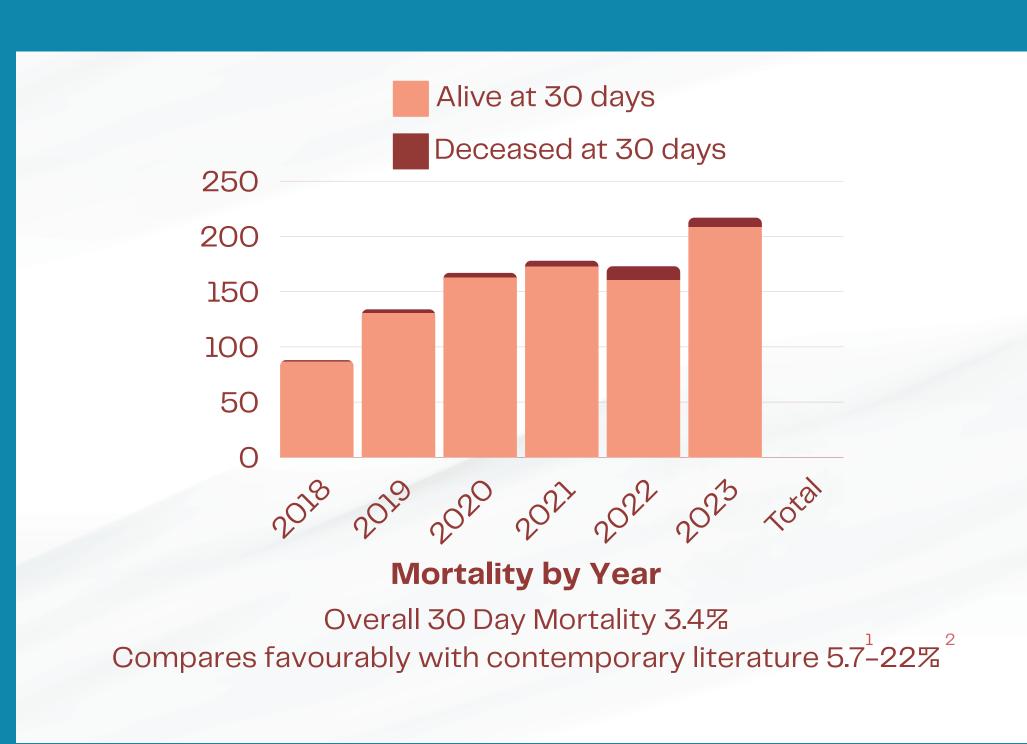
Median Age:

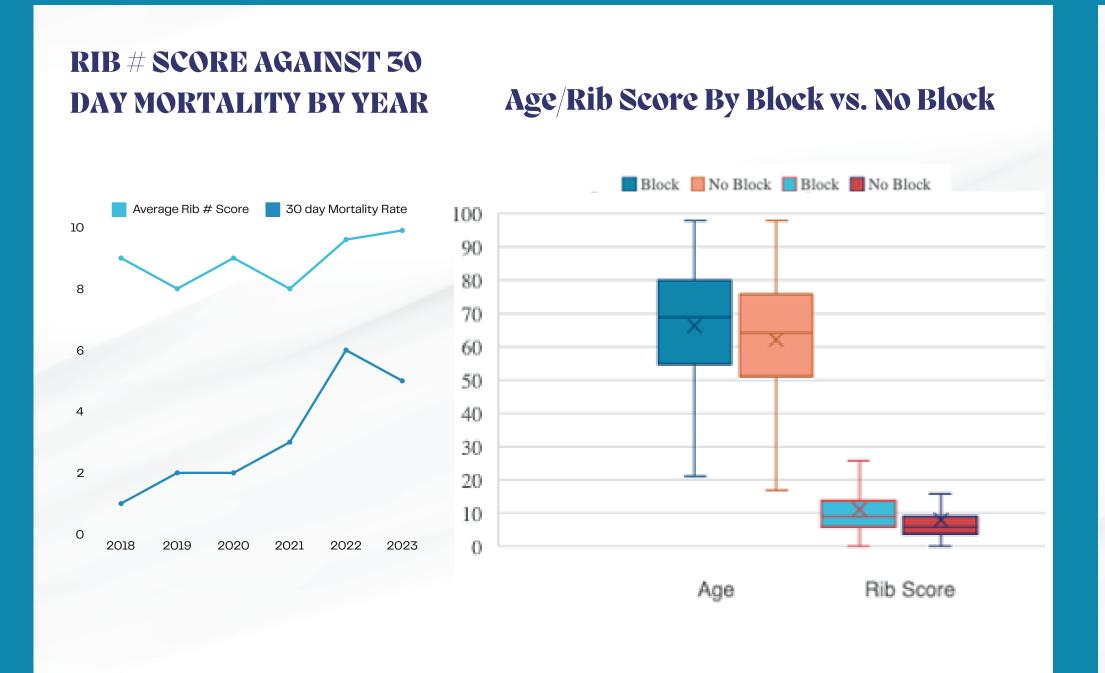
Block Group – 69 No Block Group – 65



Proportion of Blocks Performed

9 patients had a combination of blocks performed (ESP & SAP).
Details of block could not be found in 4 patients





Main Findings

- We have identified a large patient cohort with a wide range of ages and injury patterns.
- A substantial proportion of our patients presenting with rib fractures received a block to assist pain management.
- Increasing age and severity of injury were associated with increased mortality.
- Patients undergoing blocks were likely to be older and have a greater severity of injury.

References

1.Sirmali M et al. A comprehensive analysis of traumatic rib fractures: morbidity, mortality and management, European Journal of Cardio–Thoracic Surgery, Volume 24, Issue 1, July 2003, Pages 133–138, https://doi.org/10.1016/S1010-7940(03)00256-2
2.Bulger EM et al. Rib fractures in the elderly. J Trauma. 2000;48(6):1040–1046. doi:10.1097/00005373–200006000–00007

/\berdeen/\naesthesia