



Drivers of Ninety-Day Emergency Department Visits Post Surgery: A Nova Scotia Health Study

Cardiac Surgery - General Surgery - Orthopaedics - Otolaryngology - Plastic Surgery - Neurosurgery - Thoracic Surgery - Vascular Surgery

RESEARCH QUESTION

What are the common reasons for 90-day emergency department visits following surgery at NSH, and how can this knowledge guide improvements in patient care and the exploration of alternative care options beyond the ED?

METHODS

Using NSH administrative health datasets, patients have been identified who underwent surgical procedures in Central Zone between April 2016 and March 2022 and visited an ED within 90 days. Patients were stratified by Canadian Classification of Health Interventions (CCI) surgical procedure. Information extracted from administrative datasets is completed and will allow a descriptive study of patients' demographics surgical procedure characteristics, and ED characteristics. Institutional chart review will determine specific reason for ED visit and categorization if causality was surgical or medical.

MEDICAL STUDENT, SURGICAL RESIDENT INVOLVEMENT

- Work with surgical staff supervisor and analytics team
- Gain data mining experience
- Manuscript preparation for publication and presentation.
- Institutional chart review of OneContent/Meditech with data capture in REDCap software.

ADVANTAGES

This project is a collaboration between the Dalhousie Department of Surgery Research Office and NSH Performance and Analytics, Quality and Systems Performance with staff who have completed preliminary work and will aid analytics of your findings.

- Approvals from the NSH Quality Improvement Office, and Privacy Office completed.
- REB exemption status from the NSH Ethics office completed with permissions granted for publication.
- Patients compiled and ready to start chart review.

CONTACTS

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