

# National Surgical Quality Improvement Program (NSQIP)

## The Goal

AHS is participating in the The National Surgical Quality Improvement Program (NSQIP) through the American College of Surgeons (ACS). NSQIP uses clinical and patient experience data to help care providers measure surgical care. NSQIP data supports surgical program improvement decision making, that is is used by site quality and safety teams to identify and prioritize improvement plans.

## The Process

Trained Surgical Clinical Reviewer nurses collect data variables from the patient record, including pre existing risk factors, and complications after surgery. The data is risk adjusted and prepared into quarterly reports by the ACS that are returned to each site. Site NSQIP teams use the data in combination to guide the implementation of leading practices, and to design improvements for surgical teams that will lead to better outcomes for patients, and improve system efficiency.

The AHS Board and Executive Leadership Team has approved NSQIP program implementation at the 16 highest volume surgical centres in Alberta:

### North Zone

- Northern Lights Regional Health Centre
- Grande Prairie Regional Hospital

### South Zone

- Medicine Hat Regional Hospital
- Chinook Regional Hospital

### Edmonton Zone

- Stollery Children's Hospital
- Royal Alexandra Hospital
- Sturgeon Community Hospital
- Grey Nuns Community Hospital
- Misericordia Community Hospital
- University of Alberta Hospital

### Calgary Zone

- Alberta Children's Hospital
- Peter Lougheed Centre
- Foothills Medical Centre
- South Health Campus
- Rockyview General Hospital

## The Outcome

Site level data on improvements in care, and economic analysis of the NSQIP program have demonstrated significant improvements in patient care, and operational efficiency through waste and error reduction at all participating AHS sites.

Alberta Health Services Surgery Strategic Clinical Network (SSCN) facilitates a province wide annual collaborative learning event for NSQIP teams. Teams demonstrate the improvement work they are doing and share learnings with their peers to promote system wide improvements to patient outcomes.



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