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 exisiting 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 with leading pratices to design improvements for surgical teams that will lead to better outcomes for patients.

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

South Zone

- Medicine Hat Regional Hospital

Edmonton Zone

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

Calgary Zone

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

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.

The Team

NSQIP teams at each site are comprised of medical, nursing, and administrative partners. As the sponsor of this work, the Surgery Strategic Clinical Network is facilitating a collaborative implementation approach among participating sites to improve care for all Albertans.

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