

Trauma Quality Improvement Program (TQIP)

The Goal

[The American College of Surgeons \(ACS\) Trauma Quality Improvement Program \(TQIP\)](#) helps trauma care providers measure and improve care. Building on standardized and comparable data collection, trauma sites identify areas for improvement. TQIP enables Alberta's trauma centers to compare and benchmark risk-adjusted indicators against 800 trauma centers across the United States and Canada. Indicators collected include: risk adjusted mortality, risk adjusted complications, patient demographics, patient injury severity, selected mechanisms of injury, resource utilization, and comorbid conditions. Benchmark reports have provided useful insights into Alberta's performance in comparison with other hospitals to identify areas of improvement and improve patient outcomes.

The Process

The trauma teams at each participating site collect and interpret data through the Alberta Trauma Registry, including complications and comorbidities after trauma, and ensure that it is communicated with front line providers, leadership, and support units so that meaningful improvements can be achieved. Semi-annual benchmarking reports are received in the Spring and Fall of each year.

TQIP is currently implemented at the following trauma centres:

Edmonton Zone

- Royal Alexandra Hospital
- University of Alberta Hospital

Calgary Zone

- Foothills Medical Centre

The Outcome

Participation in the Trauma Quality Improvement Program has been invaluable and will lead to improved patient care and system efficiency through reductions in complications and the costs associated with them.

The Team

TQIP reports are used at each site by the trauma team, comprised of the provincial trauma epidemiologist, trauma data analysts, trauma coordinators, trauma managers and surgeons. As the sponsor of this work, the Surgery Strategic Clinical Network collaborates with the Alberta Trauma Services Core Leadership Team to facilitate the coordinated use of TQIP information to improve trauma care.

