

Adopting the Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program: An overview of our institution's experience

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The American College of Surgeons Metabolic and Bariatric Surgery Accreditation and Quality Improvement Program (MBSAQIP) aims to enhance the safety and quality of care for bariatric surgery patients through the accreditation of bariatric surgical centres in the United States and Canada. The Toronto Western Hospital (TWH) is a Bariatric Centre of Excellence and has been enrolled in MBSAQIP since 2012. Participating sites must document their outcomes and participate in regular reviews. Between January 2012 and December 2015, 1492 bariatric surgery cases at our institution were entered into the MBSAQIP database. 81.8% of these cases were laparoscopic Roux-en-Y gastric bypasses and 13.1% were laparoscopic sleeve gastrectomies. We were able to compare our results to 544,545 cases currently in the database. The mean age of patients undergoing bariatric surgery was 45.4 years; 82.8% of patients were female. Our institutional observed-to-expected (O/E) ratio for morbidity related to all bariatric cases was 0.64. For laparoscopic Roux-en-Y gastric bypass, the O/E ratio was 1.00 for leak, 0.76 for bleeding, and 0.48 for readmission. MBSAQIP data on our institutional rates of surgical site infections (1.01%) and readmission (2.68%) are currently being used to drive quality improvement initiatives in these areas. Participation in MBSAQIP aids in the development of uniform standards of care for bariatric patients across institutions and promotes a culture of continuous quality improvement.

(Financial support: None)