



Perioperative Outcomes Initiative

Year Launched: 2010

Current Number of Participants: Nine hospitals

Description:

The Perioperative Outcomes Initiative is a new collaborative quality initiative, launched in 2010, that aims to improve perioperative processes contributing to patient outcomes. POI is aligned with the Michigan Surgical Quality Collaborative, evaluating the perioperative processes of care and outcomes of patients included in MSQC data collection efforts. POI merges process data with data from the same patients as the Michigan Surgical Quality Collaborative. This innovative approach allows POI hospitals a full patient-process-outcome perspective.

POI focuses on the perioperative processes and staffing arrangements during MSQC reported surgical procedures and outcomes. POI findings are used to reduce complications or other adverse events. Current POI hospitals are also participating in the MSQC CQI. POI-defined perioperative process and MSQC National Surgical Quality Improvement Program data are used to improve processes and outcomes, and hospital interests.

This initiative collects perioperative process data such as intra-operative times (throughput), skin preparation, patient positioning, count discrepancy (count information only), staffing, preoperative assessments and time-outs, and high level cost information.

Select Objectives:

- Determine optimum OR staffing arrangements that are associated with timeliness and proficiency of the perioperative process
- Evaluate the relationship between OR staffing, perioperative processes and patient outcomes (NSQIP-defined)
- Examine the relationship between skin preparation agents and patient outcomes
- Evaluate the role of patient characteristics, OR staffing and perioperative processes on patient outcomes
- Conduct cost effectiveness analysis of current peri-operative processes and patient outcomes



Top-line Results: Not yet available

About the Coordinating Center:

The University of Michigan Health System serves as the coordinating center and is responsible for collecting and analyzing comprehensive clinical data from the participating hospitals. POI uses these analyses to examine practice patterns, to generate new knowledge linking processes of care to outcomes, and to identify best practices and opportunities for quality and efficiency improvement. The center further supports participants in establishing quality improvement goals and assists them in implementing best practices.

AkkeNeel Talsma, Ph.D., is the project director. Christine Anderson, Ph.D., is the project manager/senior analyst.

Collaborative Quality Initiatives

CQIs sponsored by Blue Cross Blue Shield of Michigan and Blue Care Network bring together Michigan physicians and hospital partners to address some of the most common and costly areas of surgical and medical care. As a result of the collection and analysis of procedural and outcomes data from each hospital, the participants are able to implement changes in practice based on the knowledge acquired from the CQI. These changes in practices lead to increased efficiencies, improved outcomes (decreased complication and mortality rates) and enhanced value (improved clinical outcomes and lower costs). BCBSM and BCN's CQI model is the first of its kind nationally and is highly regarded as an innovative approach to improving health care quality and enhancing health care value. Findings from the CQI programs have been published in peer-reviewed journals, adding to knowledge about optimal approaches to patient care. In 2006 this approach received a Best of Blue award from the Blue Cross and Blue Shield Association for collaborative efforts in excellence and innovation. In 2007, the program earned an eValue8 Health Plan Innovation Award from the National Business Coalition on Health.

For more information, contact

Rozanne Darland
CQI Administrator
248-448-5573
rdarland@bcbsm.com

Marc Cohen
Health Care Analyst
248-448-6107
mcohen@bcbsm.com

Sarah Lanivich
Health Care Analyst
248-448-4830
slanivich@bcbsm.com