

Clinical Setting

Department of Surgical Services in a Magnet[®] hospital, level II trauma center, where perioperative nurses are cross-trained:

- Pre-op
- PACU Phase I
- Phase II
- Regional anesthesia nerve blocks
- Ophthalmological same day surgeries



Clinical Issue

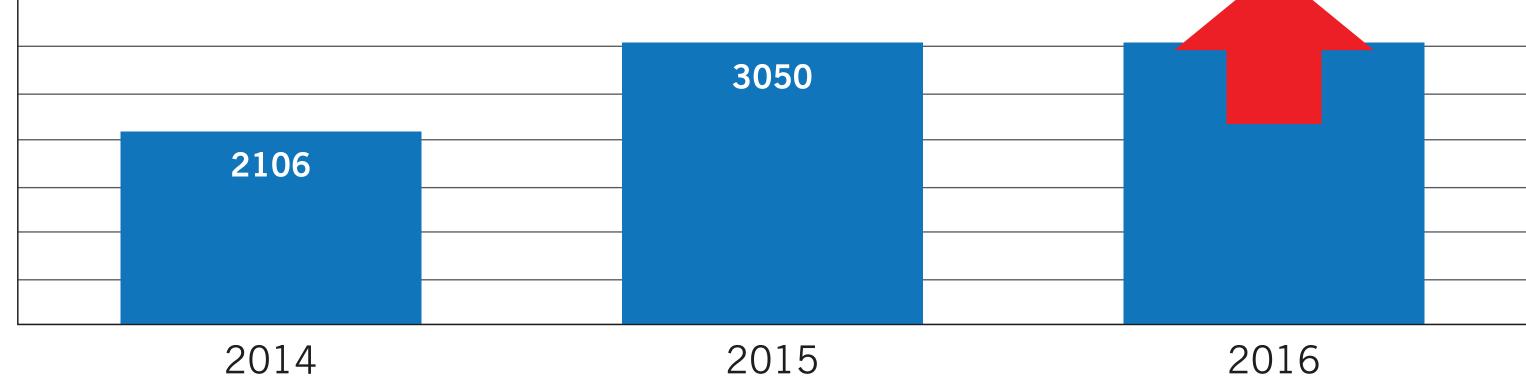
- Management of postoperative pain remains a high priority in a perioperative setting
- A heightened awareness of the opioid epidemic
- Utilization of multi-modal analgesia with a significant rise in the number of perioperative nerve block procedures being performed
- Lack of standardization in perioperative nerve block procedures process
- Increased number of non-surgical trauma patients needing regional nerve blocks for pain management
- Delayed on-time starts in the operating room (OR)
- Inefficiencies leading to increased costs
- Decreased patient satisfaction scores

Utilizing a Regional Anesthesia Block Nurse Coordinator to Improve Quality Outcomes Amy Berardinelli DNP RN NE-BC CPAN, Toni Zito MSN RN CPAN

Cleveland Clinic Hillcrest Hospital

Ohio Leads the Nation in Opioid Overdose Deaths

Opioid Overdose Deaths in Ohio



The Columbus Dispatch. November 29,2016. http://www.dispath.com/content/stories/local/2016/11/29/ohio-leads-us-inthree-drug-overdose-categories.html

Description of Team

Department of Surgical Services Leadership

- Chief Nursing Officer (CNO)
- Directors of Surgical Services, Nursing and Anesthesiology
- Perioperative Nurse Manager
- Perioperative Educator
- Clinical Perioperative Nurses
- Anesthesia Technician

Preparation and Planning

A process was needed to optimize throughput of patients presenting for regional anesthesia nerve blocks, pre-operatively, post-operatively, and non-surgical trauma.

S.W.O.T. Analysis was Conducted

- STRENGTHS Patient volume and trained nurses
- WEAKNESS Lack of standardization among providers and scheduling of patients
- OPPORTUNITY Individual to coordinate the program
- THREATS Physical space and staffing matrix

Proposal

Regional Anesthesia Block Nurse Coordinator

- 1 full-time RN designated to coordinate perioperative regional anesthesia nerve blocks
- 1 PRN anesthesia technician

Business Plan Developed

- Developed job description identifying the new proposed position with key job responsibilities
- Met with key stakeholders

Presented Data:

- First case on-time starts (FCOTS)
- Patient satisfaction
- Volume of regional blocks
- Return on investment (ROI) of 1 full-time RN

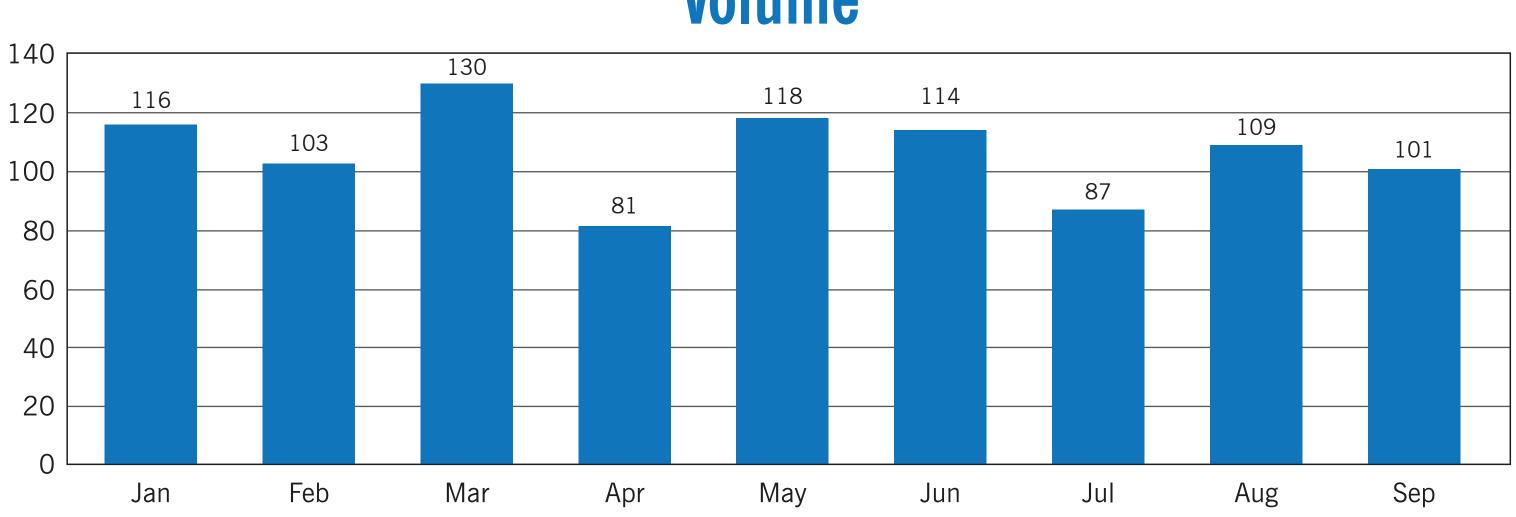
Coordinator Responsibilities

Develop a standardized process, in collaboration with the anesthesia team, to improve patient throughput in the Department of Surgical Services.

- Identify patients that may benefit from a regional nerve block anesthesia consultation
- Provide education to the patients, the families, and the clinical staff
- Collect data
- Assist the anesthesiologist with procedures
- Integrate Evidence-based practice (EBP) into daily practice
- Conduct research to develop best practices

Outcome

The outcomes of implementing a regional nerve block nurse coordinator has increased patient satisfaction, perioperative efficiency and productivity, and delays to operating room start times, especially FCOTS.



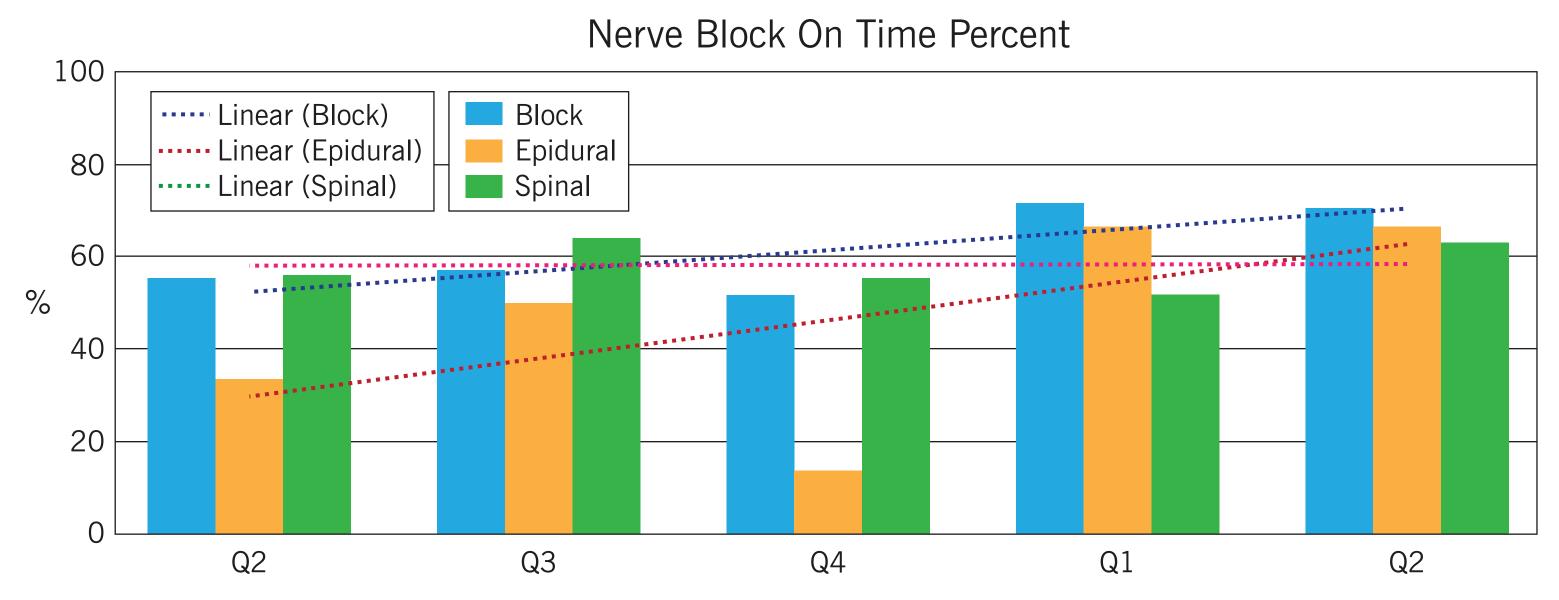
Volume



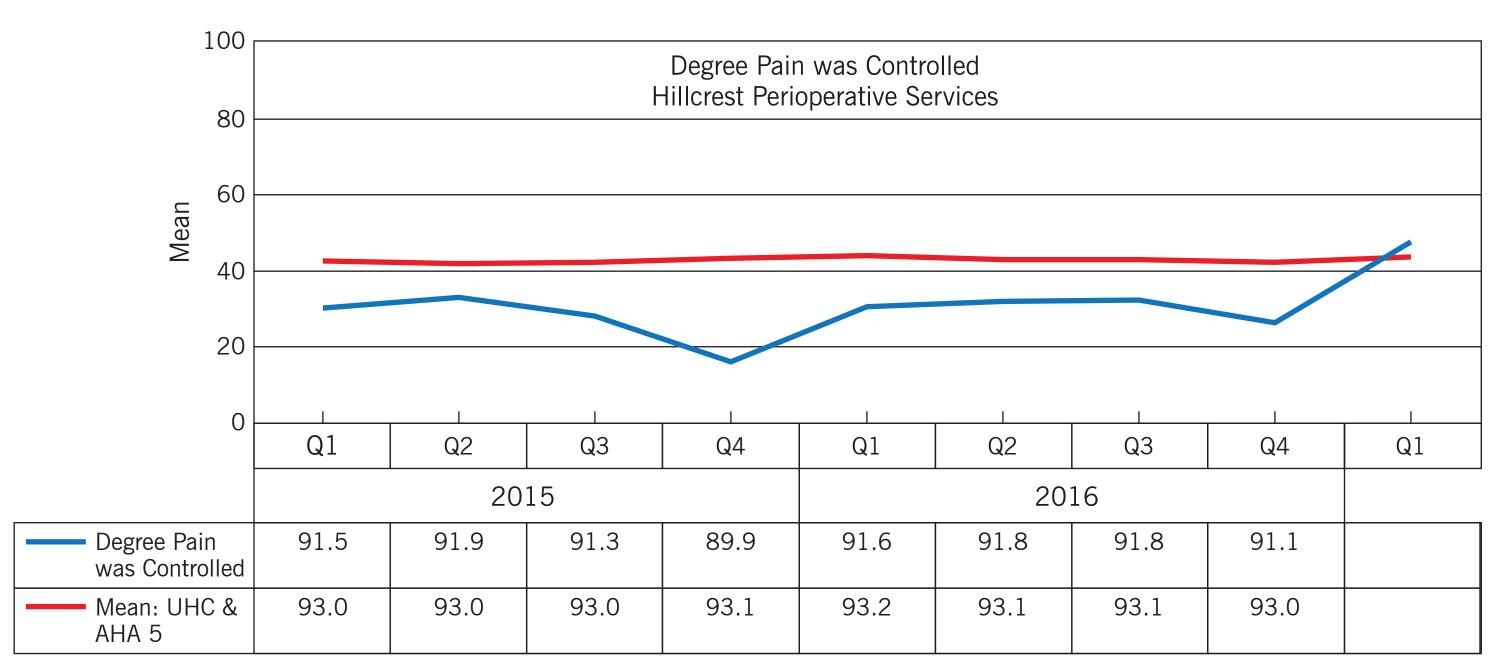




First Case On Time Starts



Patient Satisfaction



UHC=University Health System Consortium AHA 5=American Hospital Association 5 (Region #5-IL, IN, MI, OH, WI)

Source: Press Ganey - Accessed on 01/15/2018 in a.m.

Implications for Perioperative Nursing

- With the addition of the Regional Anesthesia Block Nurse Coordinator, quality outcomes were improved in 3 out of 3 domains
- Standardized orientation for perioperative nurses in regional anesthesia procedures implemented
- Collaboration with the anesthesia team and OR team for culture of improvement
- Improved patient education and optimization for surgery to improve post-operative outcomes

References

The Columbus Dispatch. November 29,2016. http://www.dispath.com/content/ stories/local/2016/11/29/ohio-leads-us-in-three-drug-overdose-categories.html