



# Beaumont Grosse Pointe

QI Story 2018

**Physician Champion - Dr. Zachary Price, MD**  
**ACQR – Nichole Pardo, BSN, RN**

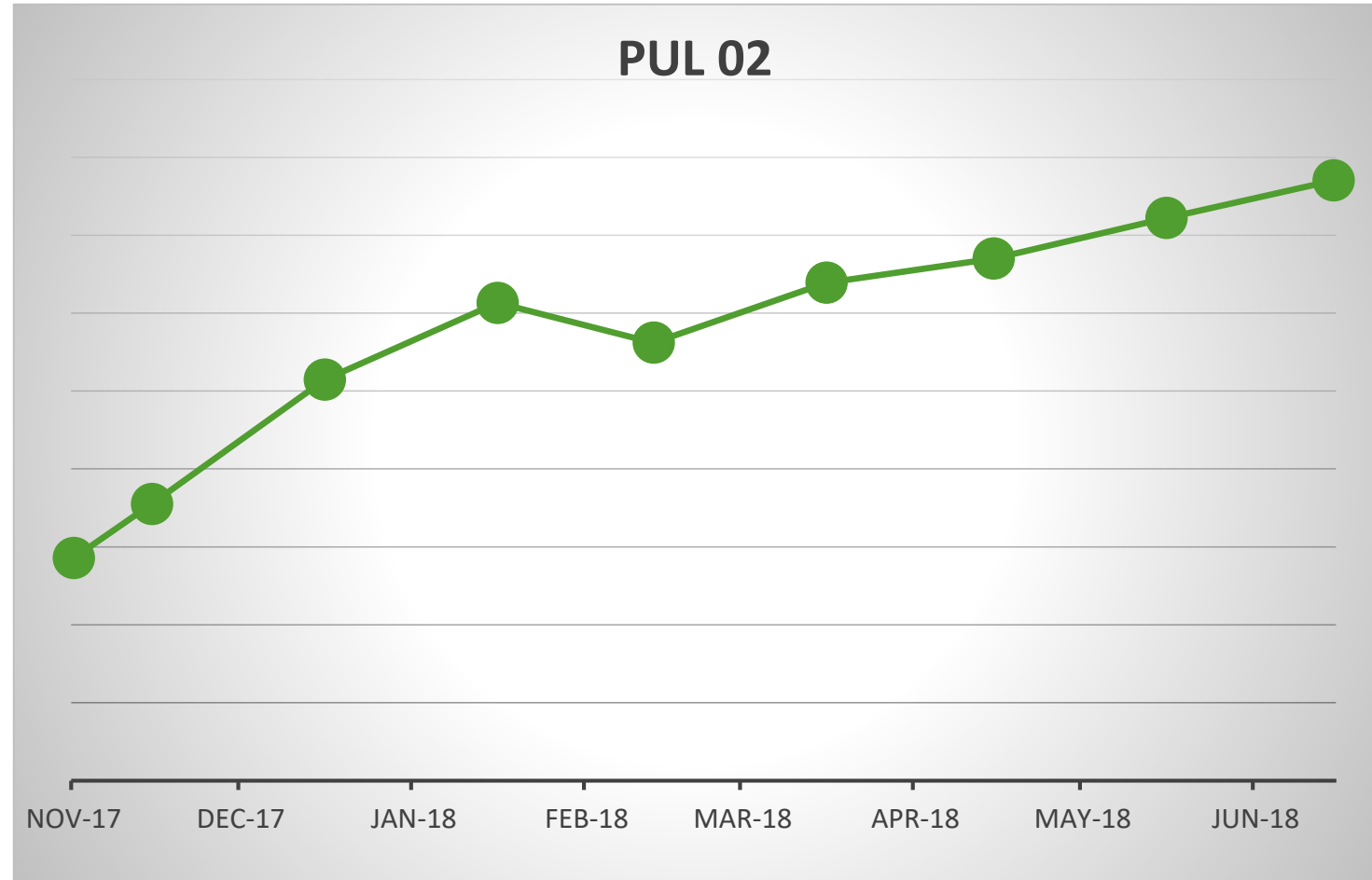
**Beaumont**

# Improvement Measure

## PUL 02

- Change vent settings
- Education
  - Monthly Staff Meetings
  - Monthly Newsletter/Measure of the Month

39% Increase

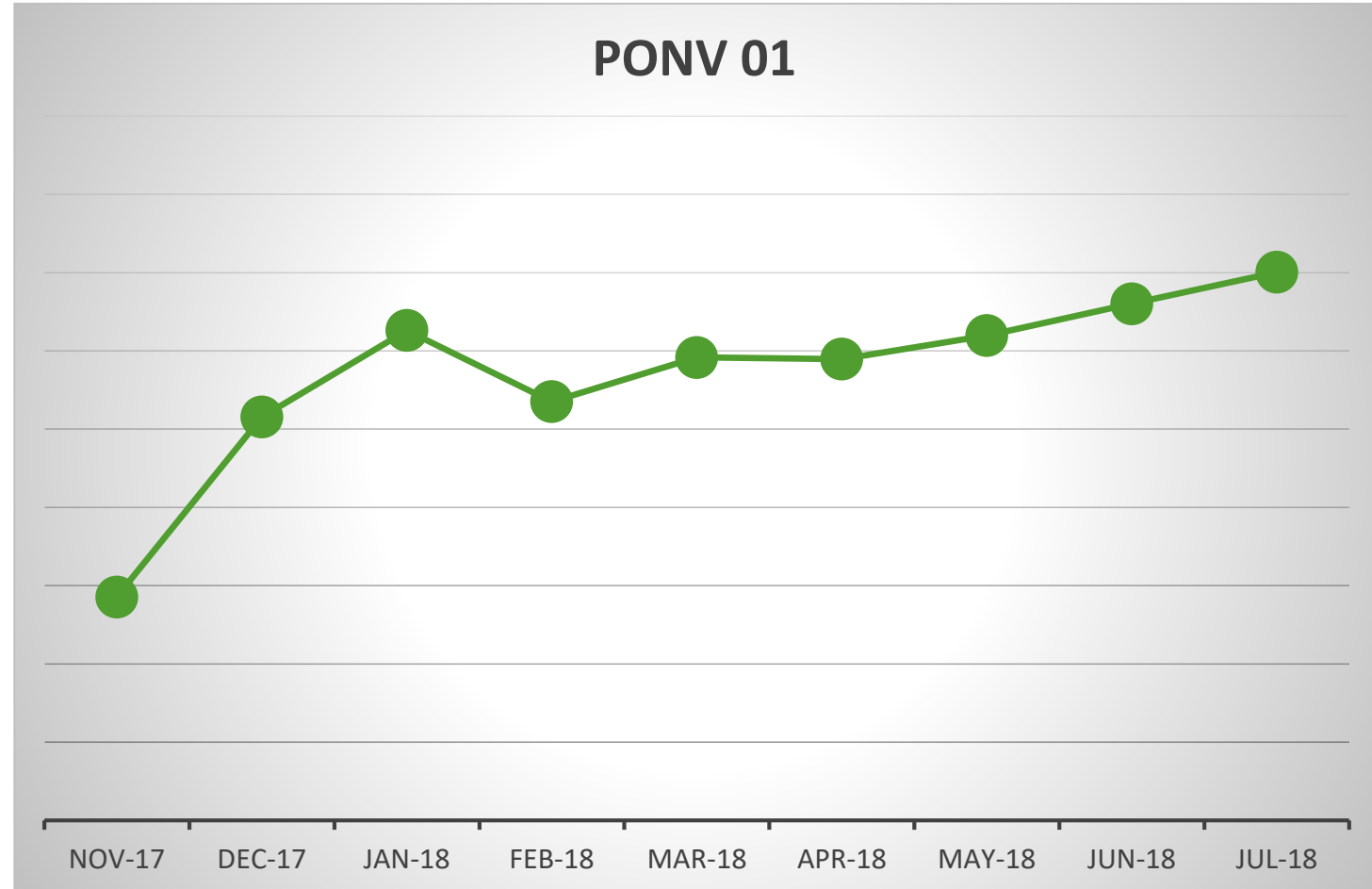


# Improvement Measure

## PONV 01

- Education
  - Q&A session with ACQR and CRNA's
  - Monthly Newsletter/Measure of the Month
  - Monthly Staff Meetings

28% Increase



ISSUE  
**01**  
April  
2018

BEAUMONT  
GROSSE POINTE  
MONTHLY  
MPOG NEWSLETTER



This Issue  
Measure of the Month P.1  
Data Review and Reminders P.2

**Breaking News**

ASPIRE also known as MPOG – Multicenter Perioperative Outcomes Group

**Recent Updates**

Vent settings were recently updated to meet the PUL 02 measure. PUL 02 measure requires median tidal volume to be equal to or less than 8ml/kg. Tidal Volume is now defaulting to 400ml. Changes were made Dec 2018 and we have been seeing a significant increase in compliance with the PUL 02 measure.

PUL 02 data:

Dec 2018 = 100%

Feb 2018 = 100%

Great Work!

**TRAN 01 MEASURE OF THE MONTH**

- TRAN 01 is the percentage of cases with a blood transfusion that have a hemoglobin or hematocrit value documented prior to transfusion.
- To Be Successful:**
  - Documentation of hemoglobin and/or hematocrit prior to EACH blood transfusion
  - Each PRBC unit is to be documented as 350ml
  - The time the blood is documented on the I&O flowsheet must match the time the infusion was started.** If it is documented after completion then the lab times may not match the infusion time and the case could fail.
- Considerations:**
  - For the first unit of transfusion, a hematocrit or hemoglobin of any value should be checked in a time period of **0 to 90 minutes before the transfusion, OR the most recent documented hematocrit or hemoglobin of less than 24/8 should be within 36 hours of the transfusion.**
  - If the last hemoglobin or hematocrit drawn before the first transfusion is **≤ 5/16, a second unit could be administered without rechecking** hematocrit/hemoglobin.
  - If a subsequent transfusion is administered, there should be a hematocrit/hemoglobin measurement before the subsequent transfusion, anywhere from 0 to 90 minutes before subsequent transfusion, or between initial and subsequent transfusion if time between those is less than 90 minutes.
- Inclusions:** All patients receiving anesthetics who receive a transfusion of red blood cells.
- Exclusions:** ASA 5 & 6, Transfusion of 4 or more units of blood (1400ml), EBL > 2000ml.

**\*IMPORTANT\*** Please make sure you are documenting EBL in the appropriate section on the flowsheet. Cases that have not received PRBC's have failed in this measure due to EBL being documented in the Blood section of the flowsheet.

**New Measures Under Development**

**TOC 02** – Percentage of patients who are under the care of an anesthesia practitioner and are admitted to a PACU in which a post-anesthetic formal transfer of care protocol or checklist which includes the key transfer of care elements is utilized. **This will be rolled out in April 2018.**

**PONV 02** – Pediatric PONV measure. Ages 3-17 under general anesthesia who have two or more risk factors who receive at least two prophylactic pharmacologic antiemetic agents.

**PUL 03** – Informational measure analyzing PEEP usage in patients undergoing mechanical ventilation during anesthesia.

**Beaumont Grosse Pointe February 2018 Data**

Measure	Target	February
NMB 01 – Train of Four documented	90%	100%
NMB 02 – Reversal administered	90%	100%
GLU 01 – >200 Blood Sugar Rechecked or treated	90%	100%
TRAN 01 – Hgb check pre-transfusion	90%	100%
TRAN 02 – Post transfusion Hgb <10.0	90%	100%
BP 01 – Mean B/P <55 for 20 min avoided	90%	100%
BP 02 – Avoiding >10 min gaps in B/P	90%	100%
PUL 01 – Median VT < 10ml/kg	90%	100%
PUL 02 – Median VT < 8ml/kg	90%	100%
TEMP 01 – Warming device used	90%	100%
TEMP 02 – Core temp documented	90%	100%
PONV – 2 antiemetic agents	90%	100%

■ Above Target 
 ■ Below Target 
 ■ Progressing toward target

**Reminders**

- If Glucose >200 recheck or treat within 90 minutes.
- Obtain Hgb prior to administering PRBC.
- 2 antiemetic agents given if pt has 3 or more risk factors for PONV. Risk factors include: Female, Hx of PONV, Hx of motion sickness, Non-Smoker, or intend to administer opioids for post op analgesia.
- Median Tidal Volume to be equal to or less than 8ml/kg

**Michigan Surgical Quality Collaborative and ASPIRE Joint Collaborative Meeting**

April 20<sup>th</sup> @ 10:00 – 3:30pm

VistaTech Center, Schoolcraft Community College

18600 Haggerty Rd, Livonia, MI 48152

MDA's and CRNA's Welcome

If you are interested in attending please contact Nichole Pardo at Nichole.Pardo@Beaumont.org

**Contact Information**

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