



ASPIRE Obstetric Anesthesia Subcommittee Meeting

October 20, 2020



Agenda

- Announcements
- OB Specialty Dashboard
- July 2020 Meeting recap and follow up
- BP 04 update
- GA 01 General Anesthesia for Cesarean Delivery Measure
- Plans for 2021!



Announcements

- Please update Zoom name if needed
- 2021 Meeting Dates
 - February 3rd, 1pm EST
 - May 5th, 1pm EST
 - August 4th, 1pm EST
 - November 3rd, 1pm EST
- Basecamp Forum
 - Please email coordinating center if you are not on the basecamp OB forum

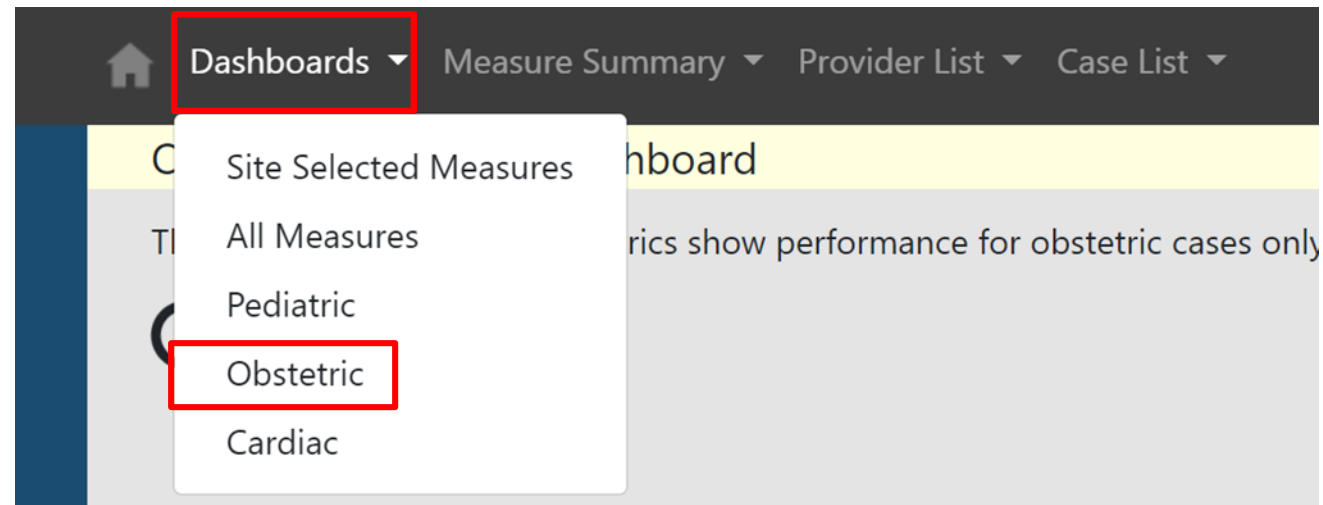


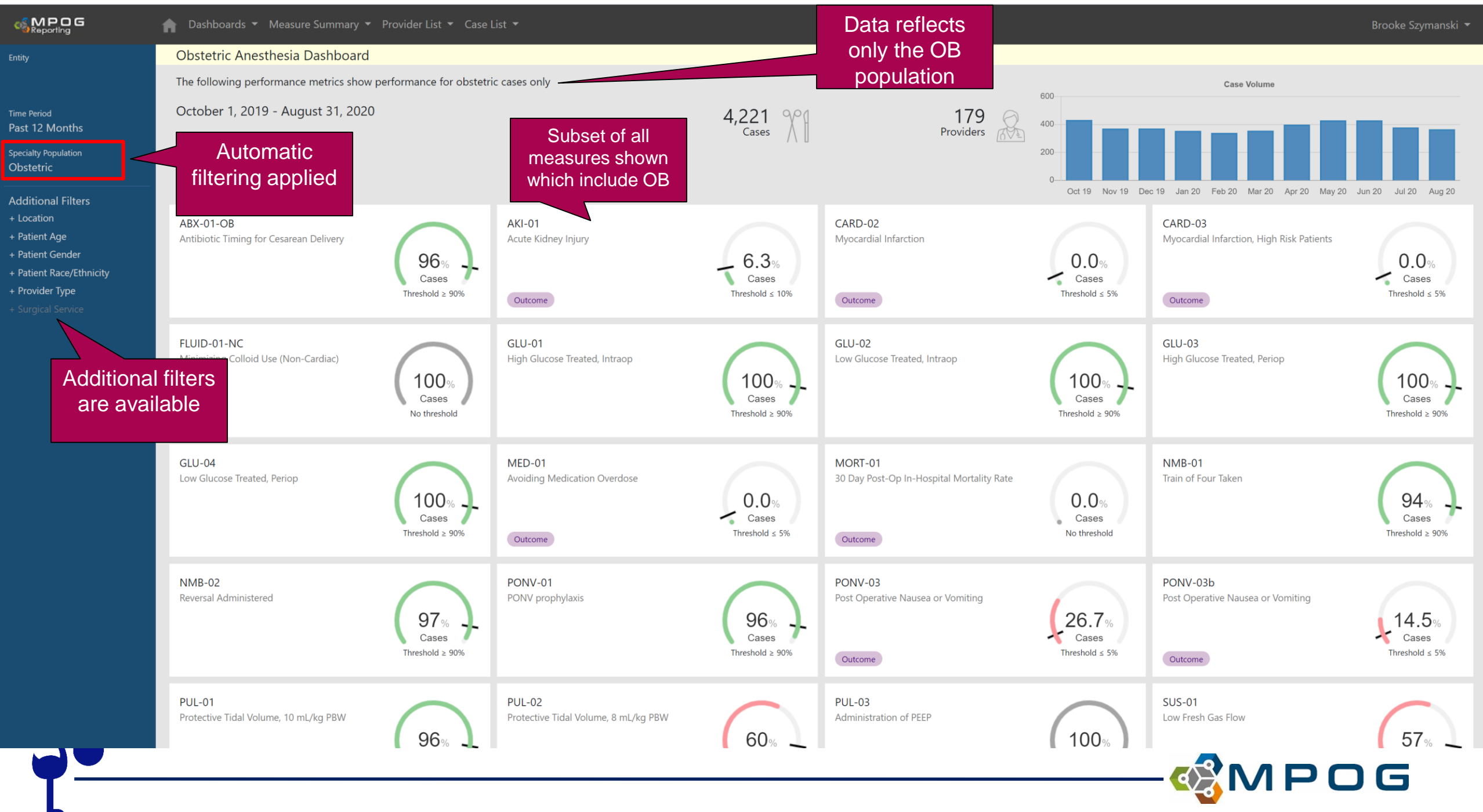
New OB Dashboard

- Available via “Dashboard Beta” link on MPOG.org



[About](#) [Join](#) [Research](#) [Quality](#) [Tools](#) [Downloads](#) [Events / News](#)





Entity

Time Period
Past 12 Months

Specialty Population
Obstetric

Additional Filters
+ Location
+ Patient Age
+ Patient Gender
+ Patient Race/Ethnicity
+ Provider Type
+ Surgical Service

Obstetric Anesthesia Dashboard

NMB-01: Train of Four Taken

More Info

with administration of a non-depolarizing neuromuscular blocker and documentation of a TOF value

Providers

Case List

Score

94%
Cases

Threshold: ≥ 90%

Result Counts

Result	Case Count
Passed	31
Flagged	2
Excluded	4,188
Total	4,221

Result Reasons

Result	Reason	Case Count
Passed	Train of Four Taken	31
Flagged	Train of Four Taken	2
Excluded	Extubation	4,131
Excluded	NMBs Administered	57
Total		4,221

Only OB Data is included

Performance Trend

Month	Your Institution (%)	All Institutions (%)
Oct 19	100	85
Nov 19	100	68
Dec 19	100	80
Jan 20	80	72
Feb 20	-	83
Mar 20	100	71
Apr 20	68	75
May 20	-	74
Jun 20	100	81
Jul 20	100	80
Aug 20	100	84

Breakdown by Location

Location	# of Cases
Passed	31
Flagged	2
Excluded	4,188

Specialty Population
Obstetric

Additional Filters

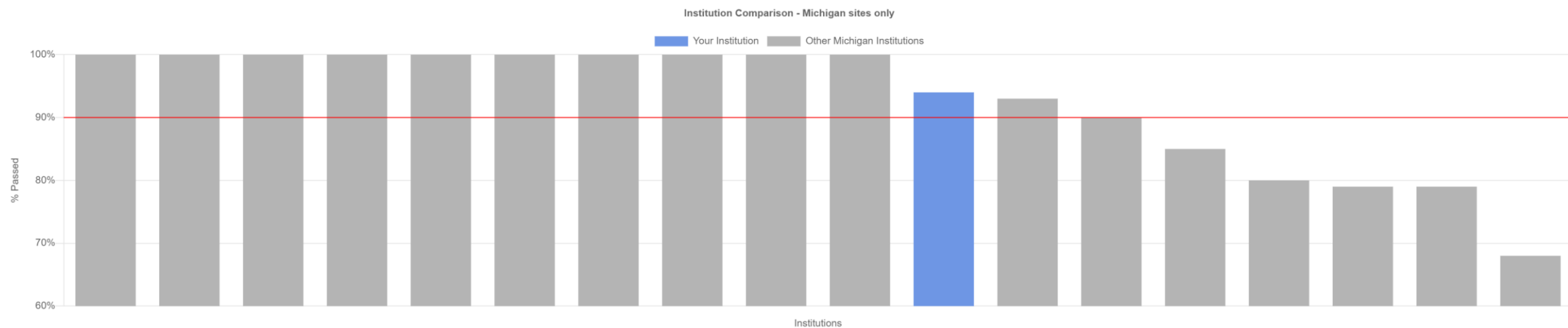
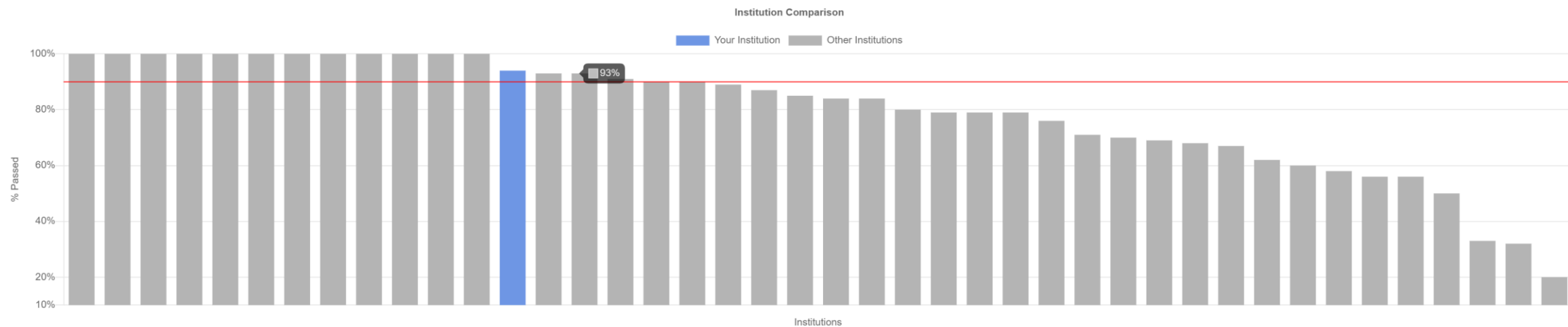
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Obstetric Anesthesia Dashboard

Case Report Download

Show 10 ▾ entries

☒ Passed ☒ Flagged ☐ Excluded

Search:

View Case	Measure Result	Date of Service	Operating Room	Surgical Service	Procedure	Primary Anesthesia CPT	Measure Result Reason	Attributable Attendings	Attributable CRNA/Resident	MPOG Case ID																																																																					
▶ View Case	Passed			Obstetrics / Gynecology	CESAREAN HYSTERECTOMY	00532	Train of Four Taken: Train of four taken after last NMB administration and before extubation																																																																								
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Inline case drilldown information

July 2020 Meeting Recap

- AKI 01- Postoperative AKI
 - Interest in tracking patients with severe pre-eclampsia
 - Additional row added to case report tool and web case viewer

U	V	W	X	Y
Postop Creatinine within 7 days	Risk of Progression	Severe Pre-Eclampsia	AKI Stage	Is Non-Operative Case
	0.51 %	No	1	No
	1.05 %	No	1	No
	3.46 %	No	1	No
	1.21 %	No	1	No
	1.80 %	No	1	No
	4.01 %	No	1	No

New column in
Case Report
Tool

AKI01 Details		
Is Valid Case	Yes	Included
ASA Class	ASA Class 2	Included
Case Duration	165	Included
Preop EGFR	151.967	Included
Anesthesia CPT	01392 (Predicted)	Included
Anesthesia CPT	01480 (Predicted)	Included
Preop Creatinine	0.490	Included
Preop Creatinine[Pediatric] Less than 0.2	0.490	Included
Highest Postop Creatinine within 7 days	0.830	Included
AKI Stage	1	Flagged
Is Non-Operative Case	No	Included
-- Additional Information --		
Highest Postop Creatinine within 48 hours	0.830	
Risk of Progression	0.08 %	
Severe Pre-Eclampsia	No	

Info available in
Web Case Viewer



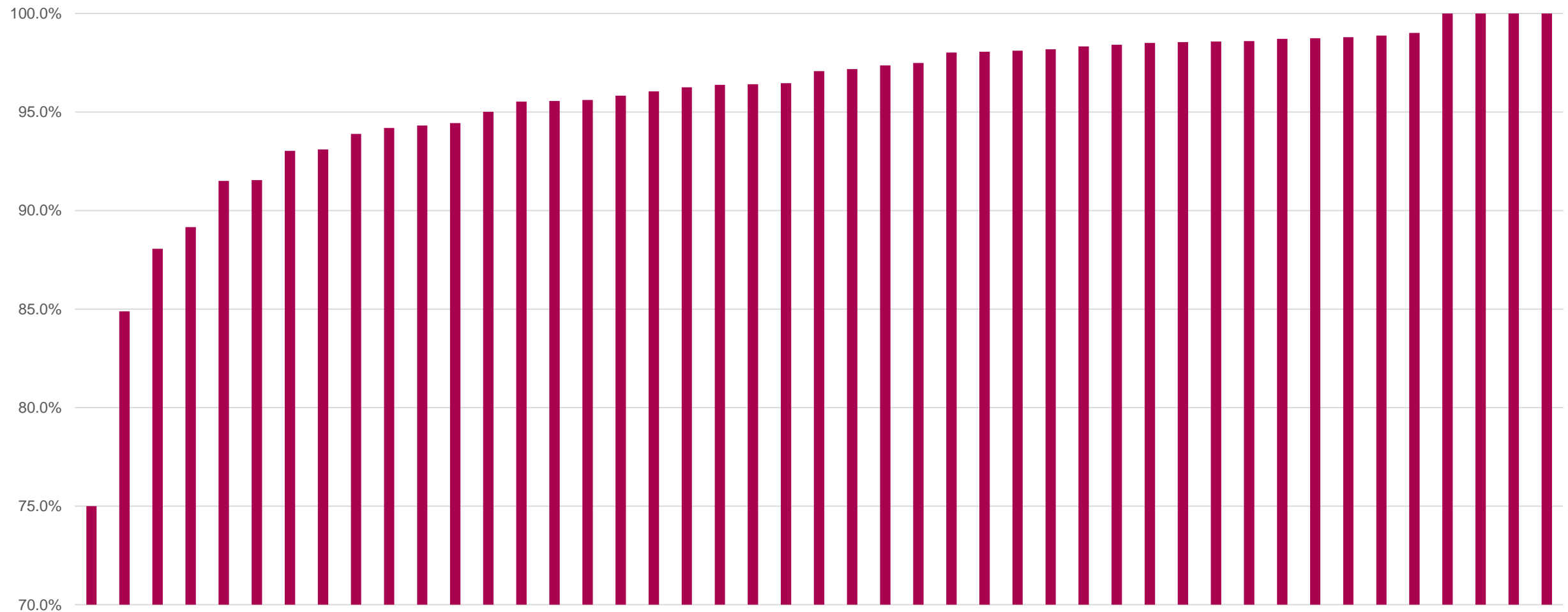
July 2020 Meeting Recap

- BP 04 Hypotension during Cesarean Deliveries measure discussed in meeting and via basecamp forum
- Takeaways:
 - Include pre-eclampsia and HELLP syndrome patients in the measure
 - Flag cases with SBP<90 for > 5 minutes for all patients (pre-eclampsia, HELLP included)
 - Include scheduled and conversion cases
 - Include urgent and emergent cesarean deliveries
 - Use oxytocin administration start time (bolus or infusion) if neonate delivered is not available
- BP 04 remains in development



BP 04- Hypotension During Cesarean Deliveries

BP 04 Prelim Performance



BP 04 Development Questions

Currently looks 30 days before to 7 days after

Exclusions:

- Cesarean delivery patients undergoing general anesthesia- determined using Anesthesia Technique-Neuraxial MPOG phenotype
- Patients undergoing cesarean section with hysterectomy (CPT: 01969)
- Emergency cesarean delivery with diagnosis of placental abruption (ICD-10: O45*)
- Rupture of uterus (spontaneous) before onset of labor (ICD-10: O71.0)
- Newborn affected by intrauterine blood loss from ruptured cord (ICD-10: P50.1)
- **Abnormal uterine or vaginal bleeding, unspecified (ICD-10: N93.9)**
- Placenta previa with hemorrhage, third trimester (ICD-10: O44.13)
- Hemorrhage from placenta previa, antepartum condition or complication (ICD-10: 641.13)
- Hemorrhage from placenta previa, delivered, with or without mention of antepartum condition (ICD-10: 641.11)

Keep this exclusion?



BP 04 Development Questions

- Complex phenotype development
 - OB Anesthesia Start Phenotype
 - Neuraxial Start Time Phenotype
 - Cesarean Delivery Start Time Phenotype (for conversion cases)
 - These phenotypes will support future OB measure development
- Will post to forum if more questions arise
- Currently validating the BP 04 data



Call for Measure Survey Results

- Review Call for Measure Survey Results

#1: Prolonged hypotension before cesarean delivery: 4.38/5.00 **IN DEVELOPMENT**

#2: General Anesthesia Rate for Cesarean Delivery: 3.63/5.00

#3: Non-opioid adjunct used for post cesarean delivery pain: 3.38/5.00

#4: Antibiotic Timing for cesarean delivery: 3.25/5.00 **DONE✓**

- Opted to add Antibiotic Selection Measure to assess azithromycin use

#5: First temperature in PACU for cesarean delivery: 3.13/5.00

#6: PONV in PACU for cesarean delivery: 3.13/5.00

- Next measure: General Anesthesia Rate for Cesarean Delivery?

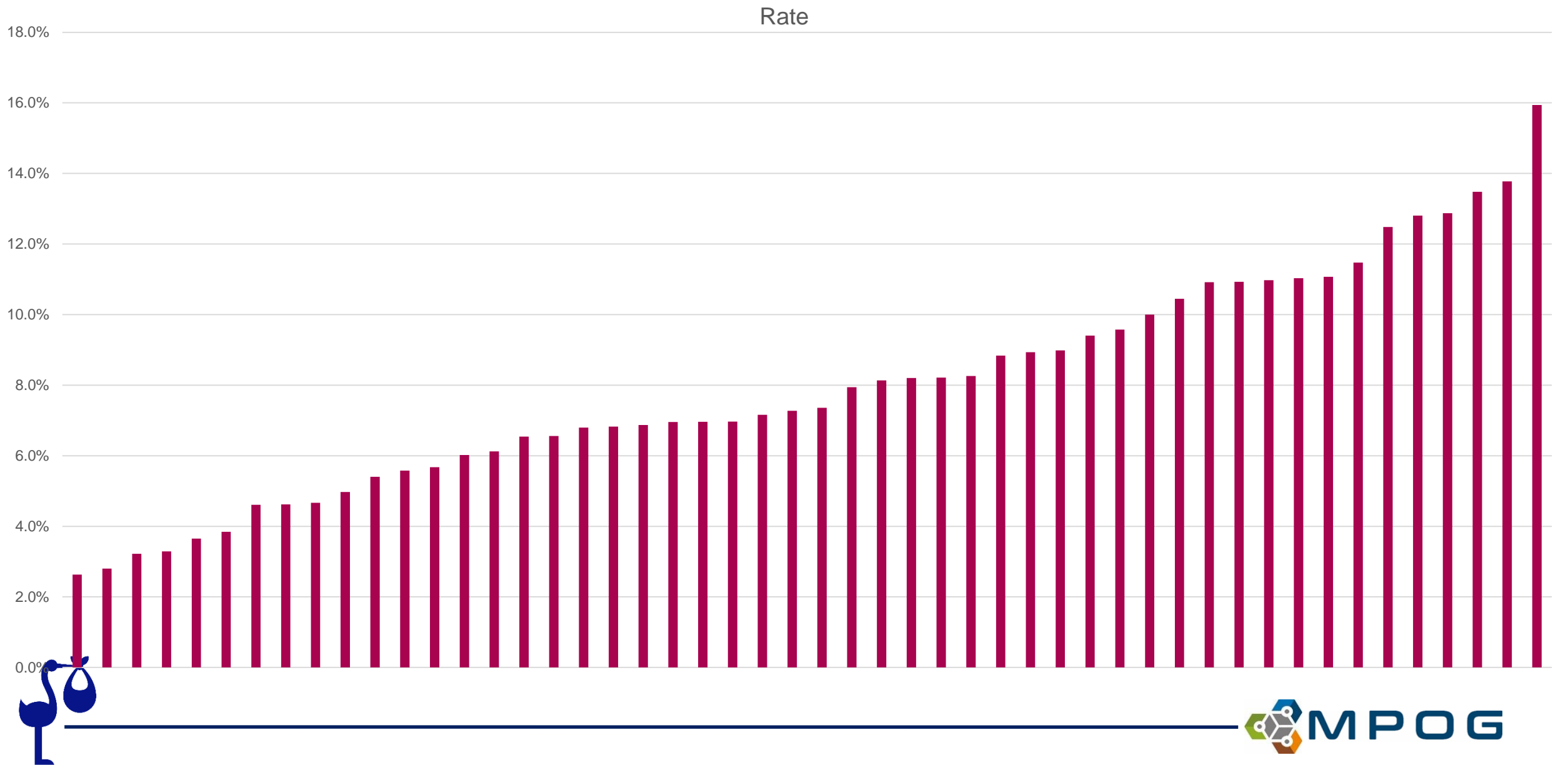


General Anesthesia Rate for Cesarean Delivery

- Around 7% of cesarean deliveries in MPOG have general anesthesia
 - According to SOAP, <5% of cesarean deliveries in the US use general anesthesia
 - Hand review of cases have around 18% with a discernable reason for GA in a free text note
- Need for standardized documentation of reason for GA
- May require individual case review at the site level to find cause for GA
 - Most sites in MPOG showing 0-10 general anesthesia cases for cesarean deliveries per month over the last year



General Anesthesia for Caesarean Delivery Rates by Site (2015-2020)



General Anesthesia Rate for Cesarean Delivery

Measure Development Questions:

- Exclude cesarean deliveries with hysterectomy?
- Exclude cesarean deliveries with other procedures list (ex: appendectomy, ostomy, etc)?
- Which providers should be notified/listed in association with the case?



Planning for 2021

- Please keep an eye out for upcoming survey
 - General subcommittee feedback
 - Call for measures for 2021



THANK YOU!



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