

MPOG QI Measures

2024 Provider Guide

*Not available for provider feedback emails

ACUTE KIDNEY INJURY



AKI-01 Creatinine > 1.5x baseline within 7 days postop OR 0.3 mg/dL within 48 hours postop

BLOOD PRESSURE MANAGEMENT



BP-01 Low MAP (< 55mmHg) sustained for a cumulative of < 20 minutes

BP-02 Blood pressure monitoring gaps < 10 minutes (cumulative)

BP-03 Low MAP (< 65mmHg) sustained for a cumulative of < 15 minutes

BP-05 Low MAP (< 55mmHg) during induction

BP-06 Low MAP (< 55mmHg) sustained for a cumulative of < 10 minutes

BRAIN HEALTH



BRAIN-01 Patients >70 years old who received a benzodiazepine perioperatively.

MYOCARDIAL INJURY



CARD-02 Elevated Troponin I > 0.6 (Troponin T > 0.091) within 72 hrs postop

CARD-03 High Risk Cases: Elevated Troponin I > 0.6 (Troponin T > 0.091) within 72 hrs postop

MINIMIZING COLLOID USE



FLUID-01-NC

Adult patients undergoing non-cardiac surgery in which colloids were not administered intraoperatively.

GLUCOSE MANAGEMENT



GLU-09 Adult patients with **intraoperative** high glucose >180mg/dL with administration of insulin **or** glucose recheck within 90 minutes.

GLU-10 Adult patients with **perioperative** high glucose >180mg/dL with administration of insulin **or** glucose recheck within 90 minutes.

GLU-11 Adult patients with **perioperative** high glucose >180mg/dL with administration of insulin within 90 minutes.

GLU-12 Adult patients with **intraoperative** low glucose <70mg/dL appropriately treated or rechecked within 90 minutes.

GLU-13 Adult patients with **perioperative** low glucose <70mg/dL appropriately treated or rechecked within 90 minutes.

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MORTALITY



***MORT-01** 30-Day postoperative in-hospital mortality rate

NEUROMUSCULAR BLOCKADE



NMB-01 Train of four documented after last dose of NMB and before extubation

NMB-02 Reversal agent given after last dose of NMB and before extubation

NMB-04 Variation in Sugammadex administration

MULTIMODAL PAIN MANAGEMENT



PAIN-02 Adult patients who received a non-opioid adjunct preoperatively or intraoperatively.

PAIN-03 Patients requiring the use of naloxone for opioid reversal.

POSTOPERATIVE NAUSEA & VOMITING



PONV-03 Patients with documentation of nausea/vomiting or administration of antiemetic in PACU.

PONV-03b Patients with documentation of nausea/vomiting in PACU.

PONV-05 Adults requiring GA who have ≥ 1 PONV risk factor who received appropriate prophylaxis.

PULMONARY



PUL-01 Median tidal volume $< 10\text{ml/kg}$ Predicted Body Weight

***PUL-03** Positive End Expiratory Pressure (PEEP) ≥ 2

SMOKING CESSATION



SMOK-01 Patients ≥ 18 years of age, with smoking status documented within 30 days prior to day of surgery

SMOK-02 Current Smokers ≥ 18 years of age, who receive smoking cessation intervention from an anesthesia provider

SUSTAINABILITY



SUS-01 Mean fresh gas flow $< 3\text{L/min}$, during maintenance

SUS-02 CO₂ Equivalents of halogenated agents and/or nitrous is $< 2.58\text{kg CO}_2/\text{hr}$, Maintenance

***SUS-03** CO₂ Equivalents of halogenated agents and/or nitrous is $< 2.58\text{kg CO}_2/\text{hr}$, Induction

SUS-04 Fresh gas flow, $\leq 2\text{L/min}$

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SUS-07 Adult cases where nitrous oxide is avoided during anesthesia.

TEMPERATURE



TEMP-01 Use of active warming **or** temperature > 36.0 C documented within 30 minutes of anesthesia end.

TEMP-02 Core temperature documented intraoperatively.

TEMP-03 Temp > 36C documented 30 minutes before or 15 minutes after anesthesia end.

TRANSFER OF CARE



TOC-01 Formal transfer of care performed for permanent intraoperative anesthesia staff change

TOC-02 All patients admitted to PACU receive a formal transfer of care.

TOC-03 All patients admitted to ICU receive a formal transfer of care.

TRANSFUSION



TRAN-01 Adult patients with Hgb/Hct 90 minutes prior to transfusion or Hgb/Hct of 8/24 within 36 hours of the transfusion

TRAN-02 Adult patients with Hgb/Hct $\leq 10/30$ post transfusion

OBSTETRICS

ABX-01-OB

Patients undergoing cesarean delivery with documentation of antibiotic administration initiated within one hour before surgical incision.

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- *BP-04-OB** Patients undergoing cesarean delivery with systolic BP < 90mmHg after neuraxial anesthesia.
- *GA-01-OB** Patients undergoing cesarean delivery requiring general anesthesia.
- *GA-02-OB** Patients undergoing cesarean delivery requiring general anesthesia after neuraxial anesthesia
- *GA-03-OB** Patients undergoing cesarean delivery requiring general anesthesia after epidural anesthesia
- TEMP-05-OB** Patients undergoing cesarean delivery with general or neuraxial anesthesia and without a temperature $\geq 36^{\circ}\text{C}/96.8^{\circ}\text{F}$ in the time period of 30 minutes before through 15 minutes after Anesthesia End.

PEDIATRICS



- FLUID-02-PED-C** Pediatric patients undergoing cardiac surgery and not administered colloids intraoperatively.
- FLUID-02-PED-NC** Pediatric patients undergoing non-cardiac surgery and not administered colloids intraoperatively.
- NMB-03-PED** Initial NMB dosing for patients less than 5 years old
- PAIN-01-PED** Pediatric patients receiving a non-opioid adjunct preoperatively or intraoperatively
- PONV-04-PED** Pediatric postoperative nausea and vomiting prophylaxis (3-17yrs)
- SUS-05-PED** Pediatric patients where nitrous oxide is avoided.
- SUS-06-PED** Pediatric patients with a mean fresh gas flow \leq a weight-based threshold during induction.
- TEMP-04-PED** Pediatric patients with intraoperative median core/near core temp $\geq 36^{\circ}\text{C}$
- TRAN-03-PED** Pediatric patients with HGB/HCT documented 90 minutes prior to transfusion and/or HGB/HCT 8/24 within 36 hours of the transfusion
- TRAN-04-PED** Pediatric patients with HGB/HCT $\leq 10/30$ post transfusion

CARDIAC

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ABX-02-C	Adult patients undergoing open cardiac surgery with antibiotic administration initiated within the appropriate time frame before surgical incision.
ABX-03-C	Adult patients undergoing an open cardiac procedure with an antibiotic redose initiated within four hours after initial antibiotic administration (cephalosporins only).
FLUID-01-C	Adult patients undergoing cardiac surgery in which colloids were not administered intraoperatively.
TEMP-06-C	Adult patients undergoing open cardiac surgery with body temperature at the end of the case ≥ 35.5 degrees Celsius (or 95.9 degrees Fahrenheit).
TEMP-07-C	Adult patients undergoing open cardiac surgery with cardiopulmonary bypass for whom the temperature did not rise above 37.5 degree Celsius (99.5 degrees Fahrenheit) while on bypass for over 5 consecutive minutes.
GLU-06-C	Adult patients undergoing open cardiac surgery with any intraoperative blood glucose ≥ 180 mg/dL.
GLU-07-C	Adult patients undergoing open cardiac surgery with any intraoperative blood glucose < 70 mg/dL.
GLU-08-C	Adult patients undergoing open cardiac surgery with any intraoperative blood glucose ≥ 180 mg/dL and was either treated with insulin or rechecked and found to be > 180 mg/dL within 30 minutes.

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