

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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MEDICATION OVERDOSE



MED-01 Absence of Narcan & Flumazenil

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

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SUSTAINABILITY



- SUS-01** Mean fresh gas flow < 3L/min, during maintenance
- SUS-02** CO2 Equivalents of halogenated agents and/or nitrous is < 2.58kg CO2/hr, Maintenance
- *SUS-03** CO2 Equivalents of halogenated agents and/or nitrous is < 2.58kg CO2/hr, Induction
- SUS-04** Fresh gas flow, ≤ 2L/min
- 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 ≤10/30 post transfusion


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OBSTETRICS

	ABX-01-OB	Patients undergoing cesarean delivery with documentation of antibiotic administration initiated within one hour before surgical incision.
	*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 $\geq 36C/96.8F$ 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 $\geq 36C$
	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

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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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