









# MPOG QI Measures

## 2025 Provider Guide








Measure Category	Measure	Description
<b>Acute Kidney Injury</b> 	AKI-01	Creatinine > 1.5x baseline with 7 days postop OR ≥ 0.3 mg/dL within 48 hours postop
	AKI-02-C	Open cardiac - creatinine > 1.5x baseline with 7 days postop OR ≥ 0.3 mg/dL within 48 hours postop
<b>Blood Pressure</b> 	BP-01	Low MAP prevention < 55 (20 minutes)
	BP-02	Avoiding monitoring gaps ≥ 10 minutes (cumulative)
	BP-03	Low MAP prevention < 65 (15 minutes)
	BP-05	Low MAP avoidance < 55 during induction
	BP-06	Low MAP prevention < 55 (10 minutes)
<b>Brain Health</b> 	BRAIN-01*	Avoiding benzodiazepine use in patients > 70 years old
<b>Fluids</b> 	FLUID-01-NC	Minimizing colloid use in non-cardiac surgery
<b>Glucose Management</b> 	GLU-09	Intraop hyperglycemia management > 180 mg/dL (10.00 mmol/L)
	GLU-10	Periop hyperglycemia management > 180 mg/dL (10.00 mmol/L)
	GLU-11	Periop hyperglycemia treatment > 180 mg/dL (10.00 mmol/L)
	GLU-12	Intraop hypoglycemia management < 70 mg/dL (3.885 mmol/L)
	GLU-13	Periop hypoglycemia management < 70 mg/dL (3.885 mmol/L)
<b>Mortality</b> 	MORT-01*	30-Day in-hospital mortality rate
<b>Myocardial Injury</b> 	CARD-04*	Postoperative Troponin for High-risk Patients
<b>Neuromuscular Monitoring</b> 	NMB-01	Train-of-four measured
	NMB-02	Reversal administered
	NMB-04	Variation in sugammadex administration
	NMB-05	Quantitative neuromuscular blockade monitoring

\*Not available for provider feedback

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<b>Pain Management</b> 	OPIOID*	Opioid equivalency
	PAIN-02	Multimodal non-opioid adjunct analgesia
	PAIN-03	Opioid reversal with Naloxone
<b>Postoperative Nausea and Vomiting</b> 	PONV-03	Postoperative nausea or vomiting outcome
	PONV-03b	Postoperative nausea or vomiting outcome with or without post-op antiemetic
	PONV-05	Postoperative nausea or vomiting prophylaxis
<b>Pulmonary</b> 	PUL-01	Intraop median tidal volume < 10 mL/kg PBW
	PUL-03*	Median PEEP $\geq$ 2 cm H <sub>2</sub> O during ventilation
<b>Smoking Cessation</b> 	SMOK-01	Smoking tobacco status documentation
	SMOK-02	Smoking tobacco cessation education
<b>Surgical Site Infection</b> 	SSI-01-MSQC	Surgical Site Infection, Colectomy
<b>Sustainability</b> 	SUS-01	Mean fresh gas flow $\leq$ 3 L/min during maintenance phase
	SUS-02	Mean CO <sub>2</sub> eq $\leq$ 2.83 kg CO <sub>2</sub> /hr during maintenance phase
	SUS-03*	CO <sub>2</sub> eq reported as kg of CO <sub>2</sub> eq per case during induction phase
	SUS-04	Fresh gas flow $\leq$ 2 L/min during maintenance phase
	SUS-07	Nitrous oxide use avoided during case
	SUS-08	Mean fresh gas flow $\leq$ 1 L/min during maintenance phase
<b>Temperature</b> 	TEMP-01	Temperature > 36.0 °C or use of active warming documented within 30 minutes of anesthesia end
	TEMP-02	At least one intraop core temperature documented


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	TEMP-03	At least one body temperature $\geq 36^{\circ}\text{C}$ within 30 minutes before or 15 minutes after anesthesia end
<b>Transfer of Care</b> 	TOC-01	Intraop transfer of care in anesthesia record with key handoff elements
	TOC-02	Postop transfer of care in anesthesia record with key handoff elements
	TOC-03	ICU transfer of care in anesthesia record with key handoff elements
<b>Transfusion</b> 	TRAN-01	Documentation of Hgb/Hct with 90 mins of prior blood transfusion
	TRAN-02	Documentation of post transfusion Hct/Hct $\geq 10$ g/dL or 30%

Measure Category	Measure	Description
<b>Obstetrics</b> 	ABX-01-OB	Antibiotic timing within one hour of cesarean delivery incision start
	ABX-06 OB	Azithromycin Administration for Cesarean Deliveries
	BP-04-OB*	SBP $< 90$ mmHg for $\leq 5$ mins between spinal placement and delivery
	GA-01-OB*	Cesarean delivery without general anesthesia
	GA-02-OB*	Cesarean delivery with neuraxial anesthesia without general anesthesia used
	GA-03-OB*	Cesarean delivery with epidural anesthesia without general anesthesia used
	TEMP-05-OB	At least one body temp $\geq 36^{\circ}\text{C}$ within 30 mins before or after anesthesia end

Measure Category	Measure	Description
<b>Pediatrics</b> 	FLUID-02-C	Minimizing Colloid use in cardiac pediatric patients
	FLUID-02-NC	Minimizing Colloid use in non-cardiac pediatric patients
	NMB-03-Peds	NMB first dose below expert opinion threshold
	PAIN-01-Peds	At least one non-opioid adjunct administered preop or intraop


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	PONV-04-Peds	PONV prophylaxis between 4 hours prior to anesthesia start to PACU start
	SUS-05-Peds	Nitrous oxide avoided during induction
	SUS-06-Peds	Mean fresh gas flow less than weight-based max FGF during induction
	TEMP-04-Peds	Intraop median core or near core temperature $\geq 36^{\circ}\text{C}$
	TRAN-03-Peds	Hgb/Hct documented within 90 mins prior to each transfusion volume $\geq 15\text{ mL/kg}$

Measure Category	Measure	Description
 Cardiac	ABX-02-C	Antibiotic timing and administration prior to incision
	ABX-03-C	Cephalosporin re-dosing within 165-255 mins of previous dose
	ABX-04-C	Antibiotic selection for surgical site infection prophylaxis
	ABX-05-C*	Composite measure for appropriate antibiotic selection, timing, re-dosing for surgical site infection prophylaxis
	AKI-02-C	Creatinine less than 1.5x baseline creatinine within 7 days post or creatinine less than 0.3 mg/dL within 48 hours after anesthesia end
	BP-07-C	MAP $< 55\text{ mmHg}$ $\leq 5$ minutes during induction or MAP $\geq 55\text{ mmHg}$ throughout induction
	FLUID-01-C	Avoidance of colloids during cardiac cases
	GLU-06-C	Glucose $\leq 180\text{ mg/dL}$ or re-check within 30 mins of glucose $\geq 180\text{ mg/dL}$ (9.99 mmol/L)
	GLU-07-C	Glucose maintained $\geq 70\text{ mg/dL}$ or re-check within 15 mins if $\leq 70\text{ mg/dL}$ (3.88 mmol/L)
	GLU-08-C	For glucose $\geq 180\text{ mg/dL}$ , treatment of insulin with 30 mins or glucose re-check within 30 minutes and glucose $\leq 180\text{ mg/dL}$ (9.99 mmol/L)
	TEMP-06-C	Hypothermia avoidance, core temperature at $> 37.5^{\circ}\text{C}$ (99.5 $^{\circ}\text{F}$ ) at anesthesia end
	TEMP-07-C	Hyperthermia avoidance, less than 5 consecutive mins of body temp $> 37.5^{\circ}\text{C}$ (99.5 $^{\circ}\text{F}$ ) between bypass start and end

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