



**Measure Abbreviation:** TEMP 02

**Data Collection Method:** This measure is calculated based on data extracted from the electronic medical record combined with administrative data sources such as professional fee and discharge diagnoses data. This measure is explicitly not based on provider self-attestation.

**Measure Description:** Percentage of cases with increased risk of hypothermia that the anesthesia provider documented core temperature.

**NQS Domain:** Effective Clinical Care

**Measure Type:** Process

**Measure Summary:** TEMP 02 is the core temperature monitoring measure that will identify the percentage of cases where the anesthesia provider documented at least one core temperature intraoperatively for any patient receiving a general anesthetic.

Core or Near Core Temperature Monitoring Includes:

- Pulmonary Artery Temperature
- Distal Esophageal Temperature
- Nasopharyngeal Temperature
- Tympanic Membrane Temperature
- Bladder Temperature
- Rectal Temperature
- Axillary Temperature (arm must be at patient side)
- Oral Temperature

Peripheral Temperatures (not compliant):

- Skin Temperature
- Temporal Artery Temperature

**Inclusions:**

All surgical patients receiving general anesthesia

**Exclusions:**

- ASA 5 and 6 cases
- Neuraxial anesthesia as primary technique
- MRI Cases (CPT: 01922)
- Cases  $\leq$ 30 minutes between Case Start and Case End.

\*Algorithm for determining Case Length:

*Case Start*

1. Anesthesia Induction End. If not available, then
2. Anesthesia Induction Begin. If not available, then
3. Procedure Start. If not available, then
4. Patient in Room. If not available, then
5. Anesthesia Start

*Case End*

1. Patient Extubated. If not available, then
2. Procedure End. If not available, then
3. Patient Out of Room. If not available, then
4. Anesthesia End

**Success:** Cases with at least one core temperature documented between Anesthesia Start and Anesthesia End.

**Threshold:** 90% success.

**Responsible Provider:** Provider present at induction end.

**Method for determining Responsible Provider:**

1. Provider signed in at Anesthesia Induction End. If not available then,
2. Provider signed in at Anesthesia Induction Begin. If not available then,
3. Provider signed in at Procedure Start. If not available then,
4. Provider signed in at Patient in Room. If not available then,
5. Provider signed in at Anesthesia Start

**Risk Adjustment (for outcome measures):**

*Not applicable.*

**References:**

1. Sun Z, Honar H, Sessler DI, et al. Intraoperative core temperature patterns, transfusion requirement, and hospital duration in patients warmed with forced air. *Anesthesiology*. 2015;122(2):276-285.
2. Insler SR, Sessler DI. Perioperative thermoregulation and temperature monitoring. *Anesthesiology clinics*. 2006;24(4):823-837.
3. Sessler DI. Temperature monitoring and perioperative thermoregulation. *Anesthesiology*. 2008;109(2):318-338.