

Cardiac Arrest

CA 01: Percentage of OHCA Cases Correctly Identified by PSAP That Were Recognizable

Description: Telecommunicator recognized OHCA / total OHCA (confirmed by EMS impression)

Goal: 95% (AHA)

CA 02: Median time between 9-1-1 call and OHCA recognition

Description: Median amount of time in seconds between 9-1-1 call connected and OHCA recognition.

Goal: < 90 seconds (AHA)

CA 03: Percentage of Telecommunicator-Recognized OHCA Cases Receiving T-CPR

Description: Number of telecommunicator-recognized OHCA cases receiving T-CPR / number of QI-reviewed EMS-confirmed OHCA with recognition noted.

Goal: 75% (AHA)

CA 04: Median time between 9-1-1 Access to tCPR hands-on-chest time for OHCA cases

Description: Median amount of time in seconds between 9-1-1 call connected and first chest compression directed by telecommunicator.

Goal: <150 seconds (AHA)

CA 05: Utstein Survival %

Description: Patients experiencing non-traumatic, bystander-witnessed out-of-hospital cardiac arrest (OHCA) presenting with a shockable rhythm that are discharged from the hospital alive.

Goal: >30.7% (National Average)

CA 06: Utstein Survival with Good Neurological Function

Description: Patients experiencing non-traumatic, bystander-witnessed out-of-hospital cardiac arrest (OHCA) presenting with a shockable rhythm that are discharged from the hospital alive with good neurological function.

Goal: > 27.5% (National Average)

Airway Management

Airway 01: First Pass Intubation Success without Hypotension or Hypoxia

Description: The percentage of non-cardiac arrest intubations with first pass success without hypotension (SBP \geq 90) or hypoxia (\geq 90) during the peri-intubation period (+/- 5 minutes from procedure time).

Goal: > National Average (when available)

Airway 02: Adequate Oxygen Saturation Achieved Before Intubation Procedure

Description: The percentage of intubation procedures in which adequate patient oxygen levels were achieved and maintained for 3 minutes prior to the intubation procedure.

Goal: > National Average (when available)

Airway 03: Waveform Capnography Airway Device Monitoring

Description: The percentage of advanced airway procedures in which waveform capnography is used for tube placement confirmation and monitoring

Goal: >National Average (when available)

Airway 04: Airway Composite (Defect-Free Care)

Description: The percentage of responses during which adequate oxygen levels (\geq 94%) are achieved and maintained for 3 minutes prior to intubation procedure, endotracheal intubation placement is successful on first

attempt without hypotension (SBP \geq 90) or hypoxia ($<$ 90%) during the peri-intubation period, and waveform capnography is used for verification and monitoring.

Goal: $>$ National Average (when available)

Airway 05: Unrecognized Failed Airway

Description: The percentage of patients for whom EtCO₂ is NOT present at the end of the event AND for whom adjudication did not reveal a plausible explanation (ex. gradual loss of EtCO₂ in cardiac arrest)

Goal: $>$ National Average (when available)

STEMI

STEMI 02: Aspirin Administration for STEMI

Description: The percentage of EMS patients aged 18 years and older transported from the scene with Aspirin administration for suspected heart attack.

Goal: \geq 75% (AHA)

STEMI 03: 12-lead ECG Performed Within 10 minutes for STEMI Patients

Description: The percentage of EMS patients aged 18 years and older transported from the scene with chest pain or a suspected MI for whom a 12-Lead ECG was performed \leq 10 minutes of first medical contact.

Goal: \geq 75% (AHA)

STEMI 04: STEMI Alert Within 10 Minutes in STEMI Patients

Description: The percentage of EMS patients aged 18 years and older transported from the scene with a STEMI positive ECG for whom pre-arrival notification was activated \leq 10 minutes of positive ECG.

Goal: \geq 75% (AHA)

Stroke

Stroke 01: Evaluation of Blood Glucose for Patients with Suspected Stroke

Description: The percentage of EMS patients aged 18 years and older transported from the scene with suspected stroke for whom blood glucose was evaluated during the EMS encounter.

Goal: \geq 75% (AHA)

Stroke 02: Stroke Screen Performed and Documented

Description: The percentage of EMS patients aged 18 years and older transported from the scene with a suspected stroke for whom a stroke screen was performed and documented during the EMS encounter.

Goal: \geq 75% (AHA)

Stroke 03: Stroke Alert for Suspected Stroke

Description: The percentage of EMS patients aged 18 years and older transported from the scene with a primary or secondary impression of stroke whom a pre-arrival alert for stroke was activated during the EMS encounter.

Goal: \geq 75% (AHA)

Stroke 04: Documentation of Last Known Well for Patients with Suspected Stroke

Description: The percentage of EMS patients aged 18 years and older transported from the scene with suspected stroke for whom Last Known Well was documented during the EMS encounter.

Goal: \geq 75% (AHA)

NEMSQA

Asthma 01: Administration of a Beta Agonist for Asthma

Description: The percentage of EMS responses originating from a 911 request for patients with a diagnosis of asthma who had an aerosolized beta agonist administered.

Goal: $>$ 51% (National Average)

Hypoglycemia 01: Treatment Administered for Hypoglycemia

Description: The percentage of EMS responses originating from a 911 request for patients with symptomatic hypoglycemia who receive treatment to correct their hypoglycemia.

Goal: > 43% (National Average)

Respiratory 01: Respiratory Assessment

Description: The percentage of EMS responses originating from a 911 request for patients with primary or secondary impression of respiratory distress who had a respiratory assessment.

Goal: >92% (National Average)

Seizure 02: Patients with Status Epilepticus Receiving Intervention

Description: The percentage of EMS responses originating from a 911 request for patients with status epilepticus who received benzodiazepine during the EMS response.

Goal: >28% (National Average)

Trauma 01: Pain Assessment of Injured Patients

Description: The percentage of EMS responses originating from a 911 request for patients with injury who were assessed for pain.

Goal: >69% (National Average)

Trauma 03: Effectiveness of Pain Management for Injured Patients

Description: The percentage of EMS transports originating from a 911 request for patients whose pain score was lowered during the EMS encounter.

Goal: >18% (National Average)