

<i>age &gt;=18 years</i>	PEDIATRIC <i>age &lt;18 years and &gt;=1 year</i>	NEONATE/INFANT <i>age &lt;1 year and &gt;=24 hours old</i>	NEWLY BORN <i>event occurred at delivery (&lt; 24 hours old)</i>
<p><b>Confirmation of airway device placement in trachea:</b> Percent of events who had confirmation of airway device placement in trachea.</p>	<p><b>Confirmation of airway device placement in trachea:</b> Percent of events who had confirmation of airway device placement in trachea</p>	<p><b>Confirmation of airway device placement in trachea:</b> Percent of events who had confirmation of airway device placement in trachea.</p>	<p><b>Confirmation of airway device placement in trachea:</b> Percent of events who had confirmation of airway device placement in trachea.</p>
<p><b>Time to first shock &lt;= 2 min for VF/pulseless VT first documented rhythm:</b> Percent of events with VF/pulseless VT first documented rhythm in whom time to first shock &lt;=2 minutes of event recognition.</p>	<p><b>Time to first chest compressions 1 min in pediatric patients:</b> Percent of events where time to first chest</p>	<p><b>Time to first chest compressions 1 min in pediatric patients:</b> Percent of events where time to first chest</p>	<p><b>Advanced airway placed prior to the initiation of chest compressions:</b> Percent of events who had an advanced airway (either laryngeal mask airway (LMA), endotracheal tube (ET) or tracheostomy tube) placed prior to initiation of chest compressions.</p>

## QUALITY MEASURES

### ACUTE RESPIRATORY COMPROMISE

#### ADULT

*age  $\geq 18$  years*

**Device confirmation of correct endotracheal tube placement:** Percent of events with an endotracheal tube placement confirmed to be correct

#### PEDIATRIC

*age  $< 18$  years and  $\geq 1$  year*

**Device confirmation of correct endotracheal tube placement:** Percent of events with an endotracheal tube placement confirmed to be correct

#### NEWBORN/NEONATE/INFANT

*age  $< 1$  year*

**Device confirmation of correct endotracheal tube placement:** Percent of events with an endotracheal tube placement confirmed to be correct

ADULT

age  $\geq 18$  years

PEDIATRIC

age  $< 18$  years and  $\geq 1$  year

NEWBORN/NEONATE/INFANT

age  $< 1$  year

**Shock energy 10 joules/kg (<12 yrs old AND <50 kg):** Percent of events for patients less than 12 years old and 50 kg with appropriate shock energies less than or equal to 10 joules/kg

**Subsequent shock delivered 2 min after previous shock:** Percent of events where any subsequent shock was delivered greater than or equal to 2 min after the previous shock

**Subsequent shock energy 4 joules/kg (<12 yrs old AND <50 kg):** Percent of events for patients less than 12 years old and 50 kg with subsequent shock energy

## REPORTING MEASURES

### ACUTE RESPIRATORY COMPROMISE

#### ADULT

*age  $\geq 18$  years*

**Length of ARC Event:** Time from the need for emergency assisted ventilation first recognized to time of the BEGINNING of sustained ROSV or control of ventilation or need for chest compression and/or defibrillation (CPA) first identified

**Reason ARC event ended:** Histogram breakdown of reason event ended

#### PEDIATRIC

*age  $< 18$  years and  $\geq 1$  year*

**Length of ARC Event:** Time from the need for emergency assisted ventilation first recognized to time of the BEGINNING of sustained ROSV or control of ventilation or need for chest compression and/or defibrillation (CPA) first identified

**Reason ARC event ended:** Histogram breakdown of reason event ended

#### NEWBORN/NEONATE/INFANT

*age  $< 1$  year*

**Length of ARC Event:** Time from the need for emergency assisted ventilation first recognized to time of the BEGINNING of sustained ROSV or control of ventilation or need for chest compression and/or defibrillation (CPA) first identified.

**Reason ARC event ended:** Histogram breakdown of reason event ended

### CARDIOPULMONARY ARREST

#### ADULT

*age  $\geq 18$  years*

**Adult and pediatric patients with pulseless cardiac events who died that had DNAR status declared and/ or life support**

**withdrawn:** Histogram breakdown of pulseless events where patients died and had DNAR status declared and/or life support withdrawn

**Adult patients with pulseless cardiac event who survived and CPC scores at hospital**

**discharge:** Histogram breakdown of patients with pulseless events who survived and CPC scores at hospital discharge

**Average ventilation rate:** Percent of events with average ventilation rate of  $< 12$  breaths/min

**Chest compression depth:** Percent of events with an average chest compression

**Chest compression fraction:** Percent of events with chest compression fraction of  $> 0.8$  (80%)

**Chest compression rate:** Percent of events with an average chest compression rate of

**CPR performance debriefing:** Percent of events in which a debriefing on the quality of CPR provided was completed after the event

#### PEDIATRIC

*age  $< 18$  years and  $\geq 1$  year*

**Adult and pediatric patients with pulseless cardiac events who died that had DNAR status declared and/ or life support**

**withdrawn:** Histogram breakdown of pulseless events where patients died and had DNAR status declared and/or life support withdrawn

**Average ventilation rate:** Percent of events with average ventilation rate of  $< 12$  breaths/min

**Chest compression fraction:** Percent of events with chest compression fraction of  $> 0.8$  (80%)

**Chest compression rate:** Percent of events with an average chest compression rate of

#### NEWBORN/NEONATE/INFANT

*age  $< 1$  year*

**ADULT**

*age >=18 years*

**CPR performance method:** Histogram breakdown of how CPR performance was monitored or guided

**CPR performance, overall:** Percent of CPA events in which CPR performance was monitored or guided

**CPR performance, physiological metrics:** Percent of events in which CPR performance was monitored or guided using physiological metrics

**Induced hypothermia initiated:** Percent of events with induced hypothermia initiated

**Length of CPA Event:** Time from the need for chest compressions (or defibrillation when initial rhythm was VF or Pulseless VT) was FIRST recognized to time sustained ROC began lasting > 20 min OR resuscitation efforts were terminated (End of event)

**ICU Discharge within 24 hours prior to CPA event:** Percent of events with ICU discharge to inpatient ward within 24 hours of event.

**Patients with cardiac events with pulse who survived and discharge disposition:** Histogram breakdown of patients with pulsed events who survived and discharge disposition

**Patients with pulseless cardiac events who survived and discharge disposition:** Histogram breakdown of patients with pulseless events who survived and discharge disposition

**Percent of patients with pulseless cardiac events who survived to hospital discharge:** Percent of patients with pulseless events who survived to hospital discharge

**Reason CPA resuscitation ended:** Histogram breakdown of reason resuscitation ended

**PEDIATRIC**

*age <18 years and >=1 year*

**Length of CPA Event:** Time from the need for chest compressions (or defibrillation when initial rhythm was VF or Pulseless VT) was FIRST recognized to time sustained ROC began lasting > 20 min OR resuscitation efforts were terminated (End of event)

**Induced hypothermia initiated:** Percent of

**NEWBORN/NEONATE/INFANT**

*age <1 year*

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## CARDIOPULMONARY ARREST (CONTINUED FROM PAGE 5)

## ADULT

*age >=18 years*

**Survival to discharge by first documented rhythm:** Histogram breakdown of survival to discharge by first documented rhythm of index (first) event

**Variance in discharge survival rates of adult and pediatric patients with pulseless events:** Variance in discharge survival rates between weekday day/evening and weekday night/weekend

**VF/Pulseless VT Shocks:** Histogram breakdown of VF/Pulseless VT shocks

## PEDIATRIC

*age <18 years and >=1 year*

**Variance in discharge survival rates of adult and pediatric patients with pulseless events:** Variance in discharge survival rates between weekday day/evening and weekday night/weekend

**VF/Pulseless VT Shocks:** Histogram breakdown of VF/Pulseless VT shocks

## NEWBORN/NEONATE/INFANT

*age <1 year*

**Variance in discharge survival rates of newborn/neonatal patients:** Variance in discharge survival rates between weekday day/evening and weekday night/weekend

**VF/Pulseless VT Shocks:** Histogram breakdown of VF/Pulseless VT shocks

## CARDIOPULMONARY ARREST &amp; ACCUTE RESPIRATORY COMPROMISE

## ADULT

*age >=18 years*

**Confirmation methods for correct airway placement:** Histogram breakdown of confirmation methods

**Resuscitation-related events and issues:** Histogram breakdown of resuscitation related events and issues

**Types of ventilation provided:** Histogram breakdown of types of ventilation provided

**Was any Endotracheal Tube (ET) or Tracheostomy tube inserted/re-inserted during event?:** Histogram breakdown of whether or not an endotracheal tube or tracheostomy tube was inserted/re inserted during event

## PEDIATRIC

*age <18 years and >=1 year*

**Confirmation methods for correct airway placement:** Histogram breakdown of confirmation methods

**Resuscitation-related events and issues:** Histogram breakdown of resuscitation related events and issues

**Types of ventilation provided:** Histogram breakdown of types of ventilation provided

**Was any Endotracheal Tube (ET) or Tracheostomy tube inserted/re-inserted during event?:** Histogram breakdown of whether or not an endotracheal tube or tracheostomy tube was inserted/re inserted during event

## NEWBORN/NEONATE/INFANT

*age <1 year*

**Confirmation methods for correct airway placement:** Histogram breakdown of confirmation methods

**Resuscitation-related events and issues:** Histogram breakdown of resuscitation related events and issues

**Types of ventilation provided:** Histogram breakdown of types of ventilation provided

**Was any Endotracheal Tube (ET) or Tracheostomy tube inserted/re-inserted during event?:** Histogram breakdown of whether or not an endotracheal tube or tracheostomy tube was inserted/re inserted during event

ADULT

*age  $\geq 18$  years*

**Activation triggers:** Histogram breakdown of MET activation triggers

**Conscious/procedural sedation within 24 hrs prior to MET activation:** Percent of events with conscious/ procedural sedation within 24 hours prior to MET activation

**Device confirmation of correct endotracheal tube confirmation:** Percent of events with endotracheal tube placement which was confirmed to be correct

**ED discharge within 24hrs prior to MET activation:** Percent of events with ED discharge within 24 hours prior to MET activation

PEDIATRIC

*age  $< 18$  years and  $\geq 1$  year*

**Activation triggers:** Histogram breakdown of MET activation triggers

**Conscious/procedural sedation within 24 hrs prior to MET activation:** Percent of events with conscious/ procedural sedation within 24 hours prior to MET activation

**Device confirmation of correct endotracheal tube confirmation:** Percent of events with endotracheal tube placement which was confirmed to be correct

**ED discharge within 24hrs prior to MET activation:** Percent of events with ED discharge within 24 hours prior to MET activation

NEWBORN/NEONATE/INFANT

*age  $< 1$  year*

**Activation triggers:** Histogram breakdown of MET activation triggers

**Conscious/procedural sedation within 24 hrs prior to MET activation:** Percent of events with conscious/ procedural sedation within 24 hours prior to MET activation

**Device confirmation of correct endotracheal tube confirmation:** Percent of events with endotracheal tube placement which was confirmed to be correct

**ED discharge within 24hrs prior to MET activation:** Percent of events with ED discharge within 24 hours prior to MET activation

MEDICAL EMERGENCY TEAM (CONTINUED FROM PAGE 7)

**Pre-Event:** Percent of events discharged from an ICU within 24 hours prior to this MET call OR discharged from a PACU within 24 hours prior to this MET call OR in the ED within 24 hours prior to this MET call OR received conscious/procedural sedation or general anesthesia within 24 hours prior to this MET call or were discharged from an ICU at any point during this admission and prior to this MET call

**Pre-Event:** Percent of events discharged from an ICU within 24 hours prior to this MET ICU at any point during this admission and prior to this MET call



## DESCRIPTIVE MEASURES

## CARDIOPULMONARY ARREST AND ACUTE RESPIRATORY COMPROMISE AND MEDICAL EMERGENCY TEAM

## ADULT

*age  $\geq 18$  years***Age:** Patients grouped by age**Discharge status:** Histogram breakdown of admissions by discharge status (alive or dead)**Gender:** Percent of female, male, and unknown patients**Event location:** Histogram breakdown of event location**Pre-event data:** Histogram breakdown of pre-event data**Race:** Patients grouped by race and Hispanic ethnicity

## PEDIATRIC

*age  $< 18$  years and  $\geq 1$  year***Age:** Patients grouped by age**Discharge status:** Histogram breakdown of admissions by discharge status (alive or dead)**Gender:** Percent of female, male, and unknown patients**Event location:** Histogram breakdown of event location**Pre-event data:** Histogram breakdown of pre-event data**Race:** Patients grouped by race and Hispanic ethnicity

## NEWBORN/NEONATE/INFANT

*age  $< 1$  year***Age:** Patients grouped by age**Discharge status:** Histogram breakdown of admissions by discharge status (alive or dead)**Gender:** Percent of female, male, and unknown patients**Event location:** Histogram breakdown of event location**Pre-event data:** Histogram breakdown of pre-event data**Race:** Patients grouped by race and Hispanic ethnicity

