GWTG-R 2017 Measures Webinar: Measure Change Overview

Tuesday May 16, 2017
1:00pm – 2:00pm Central

Presenters:
Steven Bradley, MD, MPH
Vinay Nadkarni MD, MS, FCCM, FERC, FAHA
Christina Sterzing, RHIA
Tanya Lane Truitt, RN, MS
Our Presenters

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Chair - Get With The Guidelines-Resuscitation Clinical Work Group
Endowed Chair, Professor, Department of Anesthesia and Critical Care Medicine
Medical Director, CHOP Center for Simulation, Advanced Education, and Innovation
Associate Director, University of Pennsylvania Center for Resuscitation Science

Steven Bradley, MD, MPH
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Healthcare Quality Informatics Analyst
Quality & Health IT
American Heart Association National Center

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Get With The Guidelines®
Core Principles of Get With The Guidelines

• Focus is on quality improvement
• Success is in translating guidelines into clinical practice in the hospital setting
• Capitalizing on the ‘teachable moment’ for both patient and family
• Data drives change- moving from simply collecting data to driving process and system improvements by measuring trends in compliance in real time
• Celebrating success of improved compliance within one hospital, in a region, and across the country!
• Best Practice sharing within the network of hospitals
• Evaluation through analytics to highlight key insights as well as consider future efforts
Moving Hospitals Toward A Performance Improvement Approach For In-Hospital Cardiac Arrest

Five Key Metrics Based On Data Of What Matters for Adults

1. Increase Survival to Discharge
2. Decrease Time to Defibrillation
3. Decrease Unmonitored/Unwitnessed Arrests
4. Decrease Time to Chest Compressions
5. Confirmation of Endotracheal Tube Placement
Populations groupings were updated to add a category of Newly Born, which is now distinct from Neonate

- **Adult** population is age $\geq 18$ years at the time of the CPA event.
- **Pediatric** population is age $<18$ years and $\geq 1$ years at the time of the CPA event
- **Neonate/Infant** population is age $<1$ year old and $\geq 24$ hours at the time of the CPA event *(previously $<2$ years)*
- **Newly added: Newly born** population is age $<24$ hours at the time of the CPA event
For more in-depth discussion of the Pediatric, Neonatal and Newly Born measure changes, please register for our companion webinar on May 22, 2017.

GWTG-R 2017 Measures Webinar: Review of Pediatric, Neonatal and Newly Born

Monday May 22, 2017
11am – 12pm Central

REGISTER: https://engage.vevent.com/rt/ahaevents~05222017

Presenters: Vinay Nadkarni, MD
Elizabeth Foglia, MD
Christina Sterzing, RHIA
Located in the Files section of today’s webinar

Access online at 2017 GWTG- R Recognition Measures Guide
Crosswalk of Measure Changes
# Pediatric Measures Crosswalk

**Pediatric population is age \( \geq 1 \) year and \(< 18 \) years**

<table>
<thead>
<tr>
<th>Current Measure</th>
<th>New Measure</th>
<th>Change Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Device confirmation of correct endotracheal tube placement: Percent of CPA events in pediatric patients with which an endotracheal tube placement which was confirmed to be correct.</em></td>
<td><em>Confirmation of airway device placement in trachea: Percent of CPA events in pediatric patients who had confirmation of airway device placement in trachea.</em></td>
<td>The name and data element to support this measure were updated to more accurately reflect current terminology. The measure was also updated to include patients who had a device placed prior to the arrest event, as measuring airway device confirmation is important in this group as well. Updates were made to the data element: “Section 2.3 Interventions in place PRIOR to capture ET and TT airway devices. If selected, “method of confirmation” question in Section 4.3 is required.”</td>
</tr>
</tbody>
</table>

| Time to first chest compressions ≤ 1 min in pediatric patients: Percent of events where time to first chest compressions ≤ 1 minute | Time to first chest compressions ≤ 1 min in pediatric patients: Percent of events where time to first chest compressions ≤ 1 minute | No significant change |
| Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA) Quality: Percent of events in pediatric patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity. | Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA): Percent of events in pediatric patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity. | This measure was promoted from Quality to Achievement and replaced the “Time to first shock <=2 mins in VF/pulseless VT first documented rhythm.” |
| Percent pulseless cardiac events occurring in an ICU setting: Percent of pulseless cardiac events occurring in an ICU setting (Adult ICU, PICU, Pediatric Cardiac ICU) versus a general inpatient area (General inpatient area, Step down/telemetry) | Percent pulseless cardiac events occurring in an ICU setting: Percent of pulseless cardiac events occurring in an ICU setting (Adult ICU, PICU, Pediatric Cardiac ICU) versus a general inpatient area (General inpatient area, Step down/telemetry) | This measure was promoted from Reporting to Achievement. This measure also replaces the “Percent Pulseless Cardiac events monitored or witnessed” measure. Data shows pediatric patients who arrest in ICU settings have better survival rates and outcomes. |
## Neonate/Infant Measures Crosswalk

**Neonate population is age >=24 hours old and <1 year**

<table>
<thead>
<tr>
<th>Current Measure</th>
<th>New Measure</th>
<th>Change Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>Device confirmation of correct endotracheal tube placement: Percent of CPA events in neonatal patients with which an endotracheal tube placement was confirmed to be correct.</em></td>
<td><em>Confirmation of airway device placement in trachea: Percent of CPA events in neonatal patients who had confirmation of airway device placement in trachea.</em></td>
<td>The name and data element to support this measure were updated to more accurately reflect current terminology. The measure was also updated to include patients who had a device placed prior to the arrest event, as measuring airway device confirmation is important in this group as well. Updates were made to the data element: “Section 2.3 Interventions in place PRIOR” to capture ET and TT airway devices. If selected, “method of confirmation” question in Section 4.3 is required.</td>
</tr>
<tr>
<td>Time to first chest compressions ≤1 min in pediatric patients: Percent of events where time to first chest compressions ≤ 1 min</td>
<td>Time to first chest compressions ≤1 min in pediatric patients: Percent of events where time to first chest compressions ≤ 1 min</td>
<td>No significant change</td>
</tr>
<tr>
<td>Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA) Quality: Percent of events in neonatal patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity.</td>
<td>Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA): Percent of events in neonatal patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity.</td>
<td>This measure was promoted from Quality to Achievement and replaced the “Time to first shock &lt;=2 mins in VF/pulseless VT first documented rhythm.”</td>
</tr>
<tr>
<td>Percent pulseless cardiac events occurring in an ICU setting: Percent of pulseless cardiac events occurring in an ICU setting (Adult ICU, PICU, Pediatric Cardiac ICU) versus a general inpatient area (General inpatient area, Step down/telemetry)</td>
<td>Percent pulseless cardiac events occurring in an ICU setting: Percent of pulseless cardiac events occurring in an ICU setting (Adult ICU, PICU, Pediatric Cardiac ICU) versus a general inpatient area (General inpatient area, Step down/telemetry)</td>
<td>This measure was promoted from Reporting to Achievement. This measure also replaces the “Percent Pulseless Cardiac events monitored or witnessed” measure. Data shows patients who arrest in ICU settings have better survival rates and outcomes.</td>
</tr>
</tbody>
</table>
## Newly Born Measures Crosswalk

**Newly Born population is event occurred at delivery (and less than 24 hours old)**

<table>
<thead>
<tr>
<th>Current Measure</th>
<th>New Measure</th>
<th>Change Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not applicable (similar to the “Time to first assisted ventilation &lt;=1 min” Quality measure).</td>
<td>Time to positive pressure ventilation &lt; 1 minute from CPA recognition: Percent of CPA events in newly born patients where the positive pressure ventilation was within 1 minute of event recognition.</td>
<td>Similar to time to the “Time to first assisted ventilation &lt;=1 min” quality measure. However, has been updated to include LMA, ET, and TT. Measure also gives credit for positive pressure ventilation in place prior to the start of the event.</td>
</tr>
<tr>
<td>Time to invasive airway ≤ 2 min in newborn/neonates: Percent of newborn/neonatal events with an invasive airway inserted within 2 minutes of event recognition</td>
<td>Advanced airway placed prior to the initiation of chest compressions: Percent of CPA events in newly born patients who had an advanced airway (either laryngeal mask airway (LMA), endotracheal tube (ET) or tracheostomy tube) placed prior to initiation of chest compressions.</td>
<td>The “Time to invasive airway &lt;=2 min in newborn/neonate” is being replaced with “Advanced airway placed prior to the initiation of chest compressions” to reflect the appropriate sequence of action in a newly born event.</td>
</tr>
<tr>
<td>Not applicable</td>
<td>Pulse oximetry in place prior to the initiation of chest compressions: Percent of CPA events in newly born patients where pulse oximetry was in place prior to the initiation of chest compressions</td>
<td>This is a new measure to evaluate the sequence of events during a newly born resuscitation event. The 2010 NRP guidelines included the use of pulse oximetry for oxygen monitoring; this monitor also provides a continuous and objective heart rate assessment during newborn resuscitation.</td>
</tr>
</tbody>
</table>

*Device confirmation of correct endotracheal tube placement: Percent of CPA events in newly born patients with which an endotracheal tube placement was confirmed to be correct.*

*Confirmation of airway device placement in trachea: Percent of CPA events in newly born patients who had confirmation of airway device placement in trachea.*

The name and data element to support this measure were updated to more accurately reflect current terminology.

The measure was also updated to include patients who had a device placed prior to the arrest event, as measuring airway device confirmation is important in this group as well.

Updates were made to the data element: “Section 2.3 Interventions in place PRIOR” to capture ET and TT airway devices. If selected, “method of confirmation” question in Section 4.3 is required.
## Adult Measures Crosswalk

<table>
<thead>
<tr>
<th>Current Measure</th>
<th>New Measure</th>
<th>Change Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time to first shock &lt;= 2 min forVF/pulseless VT first documented rhythm: Percent of events in adult patients with VF/pulseless VT first documented rhythm in whom time to first shock &lt;=2 minutes of event recognition.</td>
<td>Time to first shock &lt;= 2 min for VF/pulseless VT first documented rhythm: Percent of events in adult patients with VF/pulseless VT first documented rhythm in whom time to first shock &lt;=2 minutes of event recognition.</td>
<td>No significant changes</td>
</tr>
<tr>
<td>Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA) Quality: Percent of events in adult patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity.</td>
<td>Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA): Percent of events in adult patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity.</td>
<td>This measure was promoted from Quality to Achievement and replaced the “Time to Chest Compressions &lt;=1 min” Achievement measure.</td>
</tr>
<tr>
<td>Percent Pulseless Cardiac events monitored or witnessed: Percent of pulseless cardiac patient events were monitored or witnessed</td>
<td>Percent Pulseless Cardiac events monitored or witnessed: Percent of pulseless cardiac patient events were monitored or witnessed</td>
<td>No significant changes</td>
</tr>
</tbody>
</table>

*Device confirmation of correct endotrachealtube placement: Percent of CPA events in adult patients with which an endotracheal tube placement which was confirmed to be correct.  

*This new measure and the old measure will be offered in tandem for 2017. With automated awards, AHA will use whichever value is higher. However, sites must be fully transitioned to the new measure by 2018.

*Confirmation of airway device placement in trachea: Percent of CPA events in adult patients who had confirmation of airway device placement in trachea.

The name and data element to support this measure were updated to more accurately reflect current terminology.

The measure was also updated to include patients who had a device placed prior to the arrest event, as measuring airway device confirmation is important in this group as well.

- Updates were made to the data element: “Section 2.3 Interventions in place PRIOR to capture ET and TT airway devices. If selected, “method of confirmation” question in Section 4.3 is required.
Adult Measures
Adult population is age >=18 years

Measure: Time to first shock <= 2 min for VF/pulseless VT first documented rhythm: Percent of events in adult patients with VF/pulseless VT first documented rhythm in whom time to first shock <=2 minutes of event recognition.

NO CHANGE FOR 2017
Measure: Time to first shock $\leq 2$ min for VF/pulseless VT first documented rhythm: Percent of events in adult patients with VF/pulseless VT first documented rhythm in whom time to first shock $\leq 2$ minutes of event recognition.

Guideline Recommendation:

Class I

Early defibrillation for cardiac arrest was adopted as one of the important links in the ‘chain of survival’ concept to enhance resuscitation care. The guidelines recommend that defibrillation should be performed within 2 minutes of cardiac arrest due to ventricular fibrillation (VF) or pulseless ventricular tachycardia (VT) defibrillation should be resuscitation.
**Rationale:**

Defibrillation is the definitive treatment for cardiac arrest due to VF or pulseless VT. Moreover, the probability of successful defibrillation decreases rapidly over time, and if left untreated, VF can deteriorate into asystole.\(^2\) Several observational studies have showed a strong association between defibrillation time and survival to discharge in patients with in-hospital cardiac arrest, although some of these studies were not restricted to patients VF or pulseless VT. \(^3\)\(^-\)\(^6\)


Adult Measures
Adult population is age ≥18 years; no change for 2017

Measure: Time to IV/IO epinephrine ≤ 5 minutes for asystole or Pulseless Electrical Activity (PEA):
Percent of events in adult patients where time to epinephrine ≤ 5 minute of asystole or pulseless electrical activity.

CHANGES for 2017
• Measure promoted from Quality to Achievement
• Replaced the time to Chest Compressions <=1 min Achievement measure
**Adult Measures**

Adult population is age >=18 years; no change for 2017

**Measure:** Time to IV/IO epinephrine $\leq$ 5 minutes for asystole or Pulseless Electrical Activity (PEA):

Percent of events in adult patients where time to epinephrine $\leq$ 5 minute of asystole or pulseless electrical activity.

**Guideline Recommendation:**

**Class IIb**

The American Heart Association Cardiopulmonary Resuscitation guidelines 2010 recommend administering a 1 mg dose of epinephrine IV/IO every 3-5 minutes during adult cardiac arrest as initial treatment in patients with asystole or pulseless electrical activity (PEA).
Rationale:

Epinephrine is a potent vasoconstrictor, inotrope and coronary vasodilator drug and therefore may improve coronary and cerebral perfusion pressure,\textsuperscript{8} but could potentially increase myocardial oxygen demand and worsen myocardial dysfunction.\textsuperscript{9} Although epinephrine is widely used in resuscitation practice, randomized trials in patients with out-of-hospital cardiac arrest have only showed higher rates of ROSC with the use of epinephrine, but no improvement in survival or neurologic outcome. \textsuperscript{10,11}


Measure: Percent Pulseless Cardiac events monitored or witnessed: Percent of pulseless cardiac patient events were monitored or witnessed

NO CHANGE FOR 2017
Measure: **Percent Pulseless Cardiac events monitored or witnessed:** Percent of pulseless cardiac patient events were monitored or witnessed

**Events occurring outside of ICU in monitored and/or witnessed locations**

**Guideline Recognition:**

The foundation of successful ACLS is high quality CPR, and for VF/pulseless VT, attempted defibrillation within minutes of collapse. For victims of witnessed VF arrest, early CPR and rapid defibrillation can significantly increase the chance to survival to hospital discharge.
Rationale:

Brady, et al. demonstrated that "patients who are witnessed and/or monitored at the time of cardiac arrest demonstrate a significantly higher rate of survival to hospital discharge compared to those patients who are neither monitored or witnesses. Monitored and/or witnessed cardiac arrest patients were also more likely to be discharged with favourable neurologic outcome. Cardiac monitoring offers no additional outcome benefit over direct observation of patients suffering in-hospital cardiac arrest." (1)


Measure: Confirmation of airway device placement in trachea: Percent of CPA events in adult patients who had confirmation of airway device placement in trachea.

CHANGES for 2017

• Name and data element to support this measure were updated to more accurately reflect current terminology.
• Measure updated to include patients who had a device placed prior to the arrest event.
• Updates were made to the data element: “Interventions in place PRIOR” to capture ET and TT airway devices.
Measure: **Confirmation of airway device placement in trachea:** Percent of CPA events in adult patients who had confirmation of airway device placement in trachea.

**Guideline Recommendation:**

Continuous waveform capnography is recommended in addition to clinical assessment as the most reliable method of confirming and monitoring correct placement of an endotracheal tube (Class I, LOE A). Given the simplicity of colorimetric and nonwaveform exhaled CO2 detectors and esophageal detector devices (EDD), these methods can be used in addition to clinical assessment as the initial method for confirming correct tube placement in a patient in cardiac arrest when waveform capnography is not available (Class IIa, LOE B).
Rationale

Guidelines recommend that providers always use both clinical assessment and devices to confirm endotracheal tube location immediately after placement and throughout the resuscitation. Two prior studies demonstrated waveform capnography achieved 100% sensitivity and specificity for the identification of correct endotracheal tube placement in victims of cardiac arrest.\(^1\)\(^-\)\(^2\) However, 3 studies demonstrated a 64% sensitivity and 100% specificity when waveform capnography was used for victims with prolonged resuscitation and transport times.\(^3\)\(^-\)\(^5\) On the basis of these studies, continuous waveform capnography is considered the most reliable approach to confirm and monitor correct endotracheal tube placement.


Adult Population: Patient Management Tool (PMT) and Recognition Program Updates

Christina Sterzing, RHIA
Healthcare Quality Informatics Analyst
Quality & Health IT
American Heart Association
National Center
Recognition Program and PMT Updates

- Locate where to find the recognition measures and new logic and rationale statements for 2017
- Understand the CRF changes to support the measure changes.
- Understand recognition program options for the “Confirmation of Airway Device…” measure
- Demonstrate the impact to data entry to support the “Confirmation of Airway Device…” measure
- Understand May 20th updates
- Communicate non-recognition measure changes and upcoming webinar information
Measures are grouped by population.

<table>
<thead>
<tr>
<th>Select Measure</th>
<th>Adult</th>
<th>Pediatric</th>
<th>Neonate/Infant</th>
<th>Newly Born</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>GW/TGRecogGroup (Adult)</strong></td>
<td>CPA: Time to first shock &lt;= 2 min for VF/pulseless VT first documented rhythm</td>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td><strong>GW/TGRecogGroup (Newly Born)</strong></td>
</tr>
<tr>
<td>CPA: Time to IV/IO epinephrine &lt;= 5 minutes for asystole or Pulseless Electrical Activity (PEA)</td>
<td>CPA: Percent Pulseless Cardiac events monitored or witnessed</td>
<td>CPA: Time to first chest compressions &lt;= 1 min</td>
<td>CPA: Time to IV/IO Epinephrine &lt;= 5 min for asystole or pulseless electrical activity</td>
<td>CPA: Time to Positive Pressure Ventilation &lt; 1 Min from CPA Recognition</td>
</tr>
<tr>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td>CPA: Time to IV/IO Epinephrine &lt;= 5 min for asystole or pulseless electrical activity</td>
<td>CPA: Percent pulseless cardiac events occurring in an ICU setting versus a ward setting</td>
<td>CPA: Percent pulseless cardiac events occurring in an ICU setting versus a ward setting</td>
<td>CPA: Advanced airway placed prior to the initiation of chest compressions</td>
</tr>
<tr>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td>CPA: Pulse oximetry in place prior to the initiation of chest compressions</td>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td>CPA: Confirmation of airway device placement in trachea</td>
<td>CPA: Confirmation of airway device placement in trachea</td>
</tr>
</tbody>
</table>
Recognition Measures Location (cont.)

New Logic and Rationale for each recognition measure

### Configurable Measure Reports

<table>
<thead>
<tr>
<th>TIME PERIOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Interval:</td>
</tr>
<tr>
<td>From:</td>
</tr>
<tr>
<td>To:</td>
</tr>
</tbody>
</table>

Resuscitation Measure Descriptions
Resuscitation Measure Descriptions - Historic
Get With The Guidelines®-RESUSCITATION
Benchmarking Group Assignment Guide
CPA CRF Updates

CRF updates to support the “Confirmation of Airway Device Placement in Trachea” Recognition Measure:

• The measure was also updated to include patients who had a device placed prior to the arrest event, as measuring airway device confirmation is important in this group as well.
• Updates were made to the data element: “Section 2.3 Interventions in place PRIOR” to capture Endotracheal Tube and Tracheostomy Tube airway devices. If selected, “method of confirmation” question in Section 4.3 is required.
Section 2.3 Invasive Assisted Ventilation Requires a Confirmation of Device

If Endotracheal Tube or Tracheostomy Tube is checked off in section 2.3

2.3 INTERVENTIONS ALREADY IN PLACE
Interventions ALREADY IN PLACE when need for chest compressions and/or defibrillation was first recognized (check all that apply)

PART A: None

☐ Non-invasive assisted ventilation
☐ Bag-Valve-Mask
☐ Mask and/or Nasal CPAP
☐ Mouth-to-Barrier Device
☐ Mouth-to-Mouth
☐ Laryngeal Mask Airway (LMA)
☐ Other Non-Invasive Ventilation: (specify) ________________

☐ Invasive assisted ventilation, via an:
  ☑ Endotracheal Tube (ET)
  ☑ Tracheostomy Tube
  ☐ Intra-arterial catheter
  ☐ Conscious/procedural sedation
  ☐ End Tidal CO2 (ETCO2) Monitoring
  ☐ Supplemental oxygen (cannula, mask, hood, or tent)
Go to section 4.3 and select the method of confirmation used.

**CPA 4.3 VENTILATION**

Method(s) of confirmation used to ensure Endotracheal Tube (ET) or Tracheostomy Tube placement in trachea (check all that apply):

- Waveform capnography (waveform ETCO2)
- Capnometry (numeric ETCO2)
- Exhaled CO2 colorimetric monitor (ETCO2 by color change)
- Esophageal detection devices
- Revisualization with direct laryngoscopy
- None of the above
- Not Documented
Additional Information for the “Correct Airway Device Placement” Measure

• Each population has a “Confirmation of airway device placement in trachea” that replaced the “Device confirmation of correct endotracheal placement” measure.

• The change to this measure includes adding mechanical method of confirmation for all airway devices in place, placed or replaced during the event.

• The 2016 and prior the measure only required the confirmation of placement for airway devices placed or replaced during the event.

• To assist in the transition, please check nurse, respiratory therapist and physician notes for documentation of a method of confirmation.
Confirmation of airway device placement in trachea
Measure: Recognition Impact

- 2017 Recognition is a transition year.
  - With automated awards, AHA will use whichever value is higher.
  - By 2018, sites will need to be fully transitioned to the new measure. The transition period is for the airway device confirmation measures only.

- Hospitals will be able to qualify for recognition in all patient populations by using the old or new airway device confirmation measure in 2017.

- Reminder to review the Recognition Guide which is provided as a handout on this webinar.
Checking the 2016 Measure in Historic

**GWTGRecogGroup - Historic**
- CPA: Percent pulseless cardiac events monitored or witnessed - Historic
- CPA: Time to first chest compressions <= 1 min in adult and pediatric patients, and newborn/neonates >= 10 min old - Historic
- CPA: Time to first chest compressions <= 2 min in newborn/neonate < 10 min old - Historic
- CPA: Device confirmation of correct endotracheal tube placement - Historic

Quality Measures

**FILTER OPTIONS**
- Include Only Complete Records
- Compare selections

**Patient Population**
- Adult
- Pediatric
- Neonate
Confirmation of Airway Placement: Impact to data entry

- This change impacts to the CRF impacts all records with a core date on or after January 1, 2017.
  - Note: You will still need to enter a method of confirmation if an Endotracheal Tube or Tracheostomy Tube was placed or replaced during the event (this was in place prior to 2017).

- Next slides reviews how to ensure proper data entry
The easiest way to review your patient records from Jan. 1, 2017 to present is to run the “Confirmation of airway device…” Recognition Measure report in Configurable Measures reports.

- Go to Configurable Measures Reports
- Dates: January 1, 2017 to present
- Report Format: Select Patient Records then use “Patient Records”
Date range begins with Jan. 1, 2017

Select “CPA: Confirmation of airway device…”

Format: Patient Records
Review patient records for accurate data entry (cont.)

- Once the report generates in a new window, click on “Show Filters”.
- Under “CPA Endotracheal Tube”, select the “Checked” filter.
- Under “method of confirmation…”, select the blank filter. Don’t leave the filter blank, so you will need to select the filter that is blank.
<table>
<thead>
<tr>
<th>Patient ID</th>
<th>Included in Results?</th>
<th>In N</th>
<th>Date/Time need for chest compressions</th>
<th>Age at Event</th>
<th>Age units</th>
<th>Date of Birth</th>
<th>CPA Endotracheal Tube (ET)</th>
<th>CPA Tracheostomy Tube</th>
<th>ET/Tracheostomy Tube inserted/re-inserted</th>
<th>Method(s) of Confirmation, ET or Tracheostomy</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>no filter</td>
<td>no</td>
<td></td>
<td>no filter</td>
<td>no filter</td>
<td></td>
<td>Checked</td>
<td>no filter</td>
<td>no filter</td>
<td>blank</td>
</tr>
</tbody>
</table>

Click on show filters

CPA
Endotracheal Tube = checked

Method of confirmation = blank
Review patient records for accurate data entry (cont.)

- This is the list of patients that will require you to go back and enter a method of confirmation. You can export this list so you have the patient IDs to look up. Or you can click on the patient IDs in the list to edit the records.

- Go through steps 1-7 again for tracheostomy tube. For step 5, use “CPA Tracheostomy Tube” instead.
List of patients that need a method of confirmation entered

Click on patient ID to enter method of confirmation

<table>
<thead>
<tr>
<th>Patient ID</th>
<th>Included in Results?</th>
<th>In Numerator?</th>
<th>Date/Time need for chest compressions FIRST recognized</th>
<th>Age at Event</th>
<th>Age units</th>
<th>Date of Birth</th>
<th>CPA Endotracheal Tube (ET)</th>
<th>CPA Tracheostomy Tube</th>
<th>ET/Tracheostomy Tube inserted/re-inserted</th>
<th>Method(s) of Confirmation, ET or Tracheostomy</th>
</tr>
</thead>
<tbody>
<tr>
<td>stafftrainingmay9</td>
<td>Included</td>
<td>No</td>
<td>05/08/2017</td>
<td>67</td>
<td>Years</td>
<td>01/01/1950</td>
<td>Checked</td>
<td>no filter</td>
<td>no filter</td>
<td>no filter</td>
</tr>
</tbody>
</table>

Optional: export to excel

Print | Export to Excel | Export to .csv
'Time to first shock‘ (Adult) Measure

Incorrect results will be fixed

Measures Tab Issue (all populations)

Confirmation of airway device placement in trachea, gives different results on the Measures Tab compared to Configurable Measures Report. Measures tab is calculating incorrectly, but configurable measures reports is correct.

‘Time to Positive Pressure’ (Newly born) Measure:

The date/time field calculations used in the Numerator logic for Newly Born Measure 'CPA: Time to Positive Pressure Ventilation < 1 Min from CPA Recognition' need to be flipped to subtract "Date/Time the need for chest compressions..." field from the other Date/Time fields.
Non-Recognition Measures Changes

• Due to population changes, the Quality, Reporting, and Descriptive Measures will need to be updated.

• Changes are coming later this year.
2017 Updates to Resuscitation Measures

Tanya Lane Truitt, RN MS
Senior Manager QSI Programs & Operations:
Resuscitation & HF
Get With The Guidelines®
Recognition Awards

The American Heart Association/American Stroke Association recognize this hospital for achieving 85% or higher compliance with all Get With The Guidelines®-Resuscitation Achievement Measures for one calendar quarter to improve quality of patient care and outcomes.

The American Heart Association/American Stroke Association recognize this hospital for achieving 85% or higher compliance with all Get With The Guidelines®-Resuscitation Achievement Measures for two or more consecutive years to improve quality of patient care and outcomes.
GWTG-R 2017 Measures Webinar:
Review of Pediatric, Neonatal and Newly Born

Monday May 22, 2017
11am – 12pm Central

REGISTER: https://engage.vevent.com/rt/ahaevents~05222017

Presenters: Vinay Nadkarni, MD
Elizabeth Foglia, MD
Christina Sterzing, RHIA

Join us for this important webinar introducing the updates made to the 2017 Get With The Guidelines-Resuscitation measures. This webinar is a pair to our overview measures webinar and provides a deep dive into the measures for pediatric, neonatal and our addition of a “newly born” patient category.
Contact Us to Learn More

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Thank you for your active participation and contributions to GWTG-Resuscitation!