

NRCPR ANNOUNCES THE RELEASE OF *NRCPR ESSENTIALS*: A RESUSCITATION PERFORMANCE IMPROVEMENT TOOLKIT

The American Heart Association National Registry of Cardiopulmonary Resuscitation is pleased to announce the release of *NRCPR Essentials*, a database and resuscitation performance improvement toolkit composed of 11 research-based data elements. Although different from the full Standard NRCPR database that has multiple data elements, use of *NRCPR Essentials* software-based data entry system allows your facility to compare results with other facilities of similar size and type. In addition, *NRCPR Essentials* will help your facility improve resuscitation practice and increase survival from cardiac arrest.

From within the software users can generate local reports that include event listing; Gold Standard defibrillation and process of care exceptions; and events by location, time and day of week. Users can also export an analysis spreadsheet for use outside of the software.

As part of the *NRCPR Essentials* Performance Improvement Toolkit, NRCPR provides quarterly reports based on submitted data that include four pre-populated graphs presenting separate adult, pediatric, and neonatal data. The *NRCPR Essentials* Performance Improvement Toolkit also includes brief descriptions of each of the four graphs, the meaning of each graph, and practical suggestions on how to use the data to improve in-hospital resuscitation performance and patient outcomes.

The graphs are either event-based or patient-based, and illustrate information about your patient population each quarter, comparing your results with both NRCPR goals and hospital comparison group medians. The graphs depict your facility's resuscitation performance in the following categories:

- Percent of events with time to defibrillation within 3 minutes (≤ 3 minutes);
- Variance in discharge survival rates of patients who arrested during weekday days and evenings versus patients who arrested during weekday nights and on weekends;
- Percent of arrests monitored or witnessed;
- Percent of patients with pulseless cardiac arrest who survived to hospital discharge.

The following two tables are comparisons of features and data elements included in Standard NRCPR software and *NRCPR Essentials* software.

Feature	Standard NRCPR	<i>NRCPR Essentials</i>
Cost	\$1800.00 for One Year \$5000.00 for Three Years	\$1800.00 for One Year \$5000.00 for Three Years
Data Elements	Multiple	Eleven
Certification Required for Data Abstraction	Yes	Yes
Certification reciprocal for both modules	Yes	No
Local Report Option	Yes	Yes, limited reports
Exported Analysis Database	Yes	Yes
Events Included	Cardiopulmonary Arrest (CPA) Acute Resp Compromise (ARC) Medical Emergency Team (MET)	CPA only
Ability to Link Standard and Essentials Databases	No. Standard NRCPR and <i>NRCPR Essentials</i> Modules are two separate software programs and databases.	No. Standard NRCPR and <i>NRCPR Essentials</i> Modules are two separate software programs and databases.
Access to NRCPR Website	Yes	Yes
Training & Updates at no additional cost	Yes	Yes
Adding Custom Data Elements	Yes	Yes
Access to Participant Networking and Member Activities	Yes	Yes
Quarterly Reports and Graphs		
<ul style="list-style-type: none"> • Patient Overview/Survival by Rhythm • Modified Utstein Template • Gold Standard Process Variables/Process of Care Exceptions (POCEs), <i>all</i> • CPA Data Completeness • Data Submission Listing • Events by Time, Day, Location • Performance Improvement Toolkit (four graphs) 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No. <i>Only</i> Gold Standard Defibrillation/POCEs in Local Reports</p> <p>No</p> <p>No</p> <p>Yes. Local Report <i>only</i></p> <p>Yes</p>
Membership Includes Option to use either software package: Standard NRCPR or <i>NRCPR Essentials</i>	Yes	Yes

Comparison of CPA Data Elements Between Standard NRCPR and *NRCPR Essentials*

CPA Data Elements	Standard NRCPR Dataset	<i>NRCPR Essentials</i> Dataset
Admission Data <ul style="list-style-type: none"> • System entry date/time • Name • Medical record number • Date of birth • Born this admission • Age at system entry • Gender • Race • Hispanic origin • Weight • Height/length • Prior residence • Prior CPR events • Admission CPC/PCPC 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes (Optional)</p> <p>Yes (Optional)</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
Newborn/Neonate	Yes	No
Discharge Data <ul style="list-style-type: none"> • Discharge disposition • Date/Time death • Declared DNAR • Life support withdrawn • Discharge destination • CPC/PCPC at discharge 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
Pre-Event <ul style="list-style-type: none"> • Discharged ICU • Discharged PACU • In ED • Conscious/procedural sedation • Vital signs 	<p>Yes (Optional)</p> <p>Yes (Optional)</p> <p>Yes (Optional)</p> <p>Yes (Optional)</p> <p>Yes</p>	<p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p>
Pre-existing Conditions	Yes (Optional)	No
Interventions in Place	All (some Optional)	<i>Only ECG, Apnea, Apnea/ Brady, Pulse Oximetry</i>

CPA Data Elements	Standard NRCPR Dataset	<i>NRCPR Essentials Dataset</i>
<p>Event</p> <ul style="list-style-type: none"> • Local event ID (optional) • Did pt receive chest comp and/or defib? • Date/time first recognized • Age at event • Subject type • Illness category • Event location (area) • Event location (name) • Event witnessed • Was hospital-wide response activated? 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>Yes</p> <p>No</p> <p>Yes</p> <p>No</p>
<p>Immediate Cause</p>	<p>Yes (Optional)</p>	<p>No</p>
<p>Initial Condition</p> <ul style="list-style-type: none"> • Best describes event <ul style="list-style-type: none"> • Pulseless • Pulse prior to pulseless • Not become pulseless • Did pt receive chest comp? • Comp methods used • Date/time comps started • Impedance threshold device • If comp provided while pulse present <ul style="list-style-type: none"> • Rhythm with pulse • Conscious • Breathing • If pulseless anytime <ul style="list-style-type: none"> • Date/time • First pulseless rhythm 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>No</p> <p>Yes</p> <p>Yes</p>
<p>AED & VF/pulseless VT</p> <ul style="list-style-type: none"> • AED applied, date/time • VF/pulseless VT any time • Date/time VF/pulseless VT • Defib shock provided • Total # shocks • Time, defibrillator type, waveform, energy, pulse return, rhythm after shock 	<p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>No</p> <p>No. <i>Only Date/Time</i> defibrillation</p>

CPA Data Elements	Standard NRCPR Dataset	<i>NRCPR Essentials</i> Dataset
Ventilation	Yes	No
Epinephrine/vasopressin	Yes	No
Other drug interventions	Yes	No
Non-drug interventions	Yes	No
Event outcome <ul style="list-style-type: none"> • Any documented ROC • Date/time • Reason resus ended • Date/time sustained ROC 	Yes Yes Yes Yes	No No Yes No
Post-ROC Care <ul style="list-style-type: none"> • Hypothermia • Glucose 	Yes Yes (Optional)	No No
CPR Quality	Yes	No
Resus Related Events	Yes	No
Custom Data Elements	Yes	Yes

Over time, NRCPR members have shared how they have used resuscitation data to drive performance improvement activities and improve patient survival from in-hospital cardiac arrest (IHCA). Two of the successful strategies implemented by many of our member facilities to decrease time to defibrillation are increasing the availability of stand-alone AEDs and/or AED mode in manual defibrillators by assuring location within one to two minutes walking distance from all areas of the facility; and developing policies and educational programs so that BLS personnel are trained and comfortable using these devices in an emergency situation. Building on AHA evidence-based guidelines and the experience of NRCPR members, *NRCPR Essentials* translates data related to the four crucial categories mentioned above into actionable performance strategies designed to improve resuscitation patient outcomes within your facility.

You have invested many hours and dollars in collecting important resuscitation data for your facility. *NRCPR Essentials* is a streamlined option to help you promote positive change, enhance resuscitation practice, and improve patient outcomes while reducing your data abstraction burden.

NRCPR Essentials Release Announcement

If you would like more information related to *NRCPR Essentials*, please contact us at Info@NRCPR.org.