

CaseReview makes it possible to answer questions such as:

- How does chest compression fraction differ in peak staffing periods versus out-of-hours (nights and weekends)?
- What is the quality of pre-shock CPR in the ED versus the ICU?
- What is the average post-shock pause time?
- What is the average compression depth for paediatric patients? Does it differ from adults?

Continuous Quality Improvement

Using CaseReview, administrators can gain insight into hospital-wide performance and recommend department-specific or hospital-level improvements, such as staffing adjustments or implementation of rolling refreshers.

Through preconfigured and customised reports, management can view summaries of the full set of events to shed light on trends and processes. Reports can be quickly generated, and progress can be tracked over time.



SECURE SYSTEM



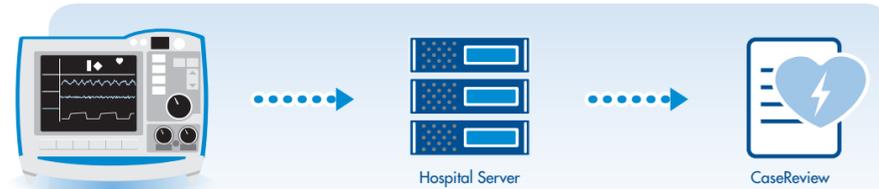
POST-EVENT REVIEW



Access and Manage Your Clinical Data

CaseReview is easily installed inside the hospital firewall for secure data collection and review. A web-based interface allows anyone with login credentials to review case files and run trend reports. CaseReview is an easy-to-use yet advanced tool designed to facilitate training and process improvement, which can improve outcomes from sudden cardiac arrest.

Enhancing the CQI Process



- Simplified Data Collection**
- Immediately push a case file after cardiac arrest for hot debriefing
 - No need to worry about missing data
 - Distribute reports easily with a few clicks

- Immediate Case Access**
- Access through secure hospital WiFi
 - Easily identify new cases
 - View data from multiple ZOLL devices

- Hospitalwide Views**
- Create hospital-focused trend reports
 - Review CPR quality over extended time periods
 - Populate preconfigured reports
 - Customise reports

ZOLL MEDICAL CORPORATION

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¹Edelson DP, Litzinger B, Arora V, et al. Improving in-hospital cardiac arrest process and outcomes with performance debriefing. Arch Intern Med 2008;168:1063-9

²Wolfe H, Zebuhr C, Topjian AA, et al. Interdisciplinary ICU cardiac arrest debriefing improves survival outcomes*. Crit Care Med 2014;42:1688-95

³Couper K, Kimani PK, Abella BS, et al. The System-Wide Effect of Real-Time Audiovisual Feedback and Postevent Debriefing for In-Hospital Cardiac Arrest. Crit Care Med 2015;1. doi http://dx.doi.org/10.1097/CCM.0000000000001202

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RescueNet® CaseReview



DATA INSIGHTS FOR IMPROVED PATIENT CARE

ACCESSIBLE CPR QUALITY DATA

The chaos of the cardiac arrest is over. Have you captured the important data for the debriefing? The CPR Summary Report, included in RescueNet® CaseReview, provides at-a-glance CPR quality for individual cardiac arrests. It can be accessed and printed in minutes; it can also be used with resuscitation teams immediately after a cardiac arrest to help facilitate hot debriefs of the resuscitation event.

“Teams who manage patients in cardiac arrest should use data-driven performance-focused debriefing, as its use has been shown to improve performance.”¹⁻³

-European Resuscitation Council

Simplified Data Collection

CaseReview collects, collates, and manages cardiac arrest data to improve accuracy and simplify debriefing. With the push of a button, you can send files from the R Series®, X Series® or ZOLL AED 3™ BLS using the hospital's secure WiFi network. There's no need to attach cables or retrieve data cards. You can immediately access accurate, robust data that's needed to complete the performance-focused debriefing after every adult and paediatric cardiac arrest, as recommended by the European Resuscitation Council (ERC).

Trendsetter

CaseReview can also provide trend reports on resuscitation events. These reports can be created through customised tags to review trends by patient type (paediatric versus adult), co-morbidity, department where the cardiac arrest occurred, or even by the time of day or week that the event occurred.

Hot or Cold

Whether in a training simulation or an actual resuscitation team response to a sudden cardiac arrest, CaseReview provides instant access to critical cardiac arrest data. This allows you to huddle with your team immediately after the event while it is still fresh in everyone's mind, and offer peace-of-mind that everyone performed to the best of their ability. Hot debriefing is as simple as clicking on the specific case from a list in your browser.

Case start	Tags	Duration	Serial number	Device/Unit ID	Device type	Patient ID/Name	Ar
10/20/2017 10:27:47	Discussion...	09:11:41	AR141089623	X Series	Patient 1009		
10/20/2017 20:15:52		09:26:27	AR152012811	LAZ 9 BLS	X Series	Patient 1204	
1/18/2017 19:29:36		09:25:42	AR152012817	LAZ 9 BLS	X Series	Patient 1312	
1/8/2017 18:10:03		09:26:26	AR152012788	LAZ 9 BLS	X Series	Patient 1106	
1/17/2017 16:05:35		09:43:06	AR142011478	LAZ	X Series	Patient 1607	
1/16/2017 18:19:53		09:40:28	AR158012225	LAZ	X Series	Patient 1636	
1/13/2017 19:15:43	Discussion...	09:30:12	AR158012234	X Series	Patient 2218		
1/16/2017 14:02:10	Discussion...	09:53:29	AR154011440	LAZ	X Series	Patient 1504	
11/11/2016 13:28:43	Discussion...	09:01:38	AR160202023	X Series	Patient 1000		
11/11/2016 13:28:54	Discussion...	09:02:14	AR160202023	X Series	Patient 1000		

The cardiac arrest data—CPR quality, ECGs, EtCO₂ values, and more—is succinctly presented in intuitive, colorful graphics. CaseReview collects detailed CPR quality metrics directly from ZOLL's CPR electrodes, using Real CPR Help® technology. The rate and depth of each compression is recorded, as well as release velocity, how often pauses in compressions occurred, and how long they lasted. In addition to immediate information after a single event, historical data can be reviewed and analysed to determine areas in need of improvement.



CPR Knowledge is CPR Power

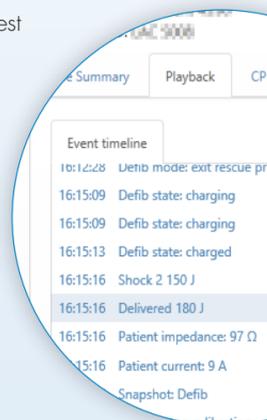
Many factors influence survival from sudden cardiac arrest – comorbidities such as heart disease, renal insufficiencies, diabetes, and chronic obstructive pulmonary disease (COPD) are just some of the major factors.

Even when your resuscitation team performs at its very best, there are factors that are too great to overcome. Knowing where the team was successful during the cardiac arrest and where there was room for improvement leads to better patient care in the future.

POWERFUL TOOLS FOR QUANTITATIVE DEBRIEFING

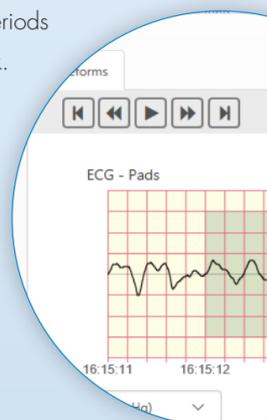
Play Back the Entire Cardiac Arrest

Play the complete cardiac arrest back, including ECG rhythms, shocks, CPR quality, or the capnogram. You can pause and restart the playback at any time – just select the Playback tab.



Edit Select Cardiac Arrest Periods

The editing feature lets you select which periods of CPR you want to review – even down to the periods during pre-shock or post-shock.



FILES IMMEDIATELY AVAILABLE



NO DATA CARDS OR CABLES



INSTANTANEOUS DEBRIEFING



CUSTOMISED SUMMARIES