



Go above and beyond

Philips HeartStart resuscitation solutions

**PHILIPS**  
sense and simplicity

## The evidence is clear. Early defibrillation and quality CPR are inextricably linked.

Quality chest compressions are paramount, over-ventilation is harmful, and there are instances when CPR should be performed to prime the heart before delivering the first shock. Philips has embraced the clinical evidence behind these conclusions and, in alliance with Laerdal, the market leader in CPR, produced innovative and easy-to-use tools to save more lives. Today we offer a full range of solutions that enable you to combine the best in CPR and early defibrillation:

- Q-CPR™ Measurement and Feedback for ALS Professionals
- SMART CPR for professional and designated first responders
- Quick Shock capability in all HeartStart AEDs and the HeartStart MRx
- CPR Coaching for first time and infrequent rescuers

HeartStart defibrillators not only help you to meet the 2005 Guidelines, but with these unique and easy-to-use tools, you can go above and beyond to achieve a higher standard for resuscitation, with a promise to save more lives.



### **Quicker. HeartStart Defibrillators.**

The beneficial effects of CPR fall off rapidly once chest compressions are stopped. As seconds pass, the ECG wave flattens, circulation ceases, and the heart is less likely to convert to a normal rhythm once the shock is delivered. That's why all HeartStart AEDs and the HeartStart MRx feature Quick Shock, giving them the shortest interval between hands-off and shock delivery. Typically less than 10 seconds. No other brand comes close. Quick Shock is another example of how Philips' resuscitation technologies enable you to save more lives by providing your patients the best quality CPR combined with early defibrillation.



**Smarter. Philips HeartStart FR2+ Defibrillator.**

We've enhanced our time-tested FR2+ by adding SMART CPR. A user-selectable advisory tool, it helps determine the most effective treatment path – CPR first or shock first. Simply put, it takes out the guesswork and helps you tailor care to your specific patient. HeartStart FR2+ with SMART CPR supports the latest guidelines for optimizing the collective advantages of quality CPR and early defibrillation performed in the correct sequence.

**Better. HeartStart MRx with Q-CPR™ technology by Laerdal.**

The 2005 AHA Guidelines state that "methods should be developed to improve the quality of CPR"\*. But until recently there has been no way to objectively measure that quality. The HeartStart MRx monitor/defibrillator now features Laerdal's groundbreaking Q-CPR™ measurement and feedback technology. This one-of-a-kind tool offers objective measurement and corrective feedback for all the components of CPR. Real time, visual and audio prompting help you improve in the moment.

And, when combined with Q-CPR™ Review software, supports system-wide continuous quality improvement. You cannot improve what you cannot measure. Now, for the first time, you can measure and improve CPR.



HeartStart OnSite



HeartStart FRx



HeartStart FR2+



HeartStart MRx

\*Circulation, 2005;112:IV-35-IV-46

Q-CPR is a trademark of Laerdal Medical Corporation.



Philip works hand-in-hand with researchers and customers worldwide to produce innovative and easy-to-use resuscitation tools to help EMS professionals save more lives.



**Laerdal**<sup>®</sup>  
helping save lives

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