iRescU is a two way CPR/AED support system developed for free bystander access, and designed to be deployed to multiple mobile platforms globally (Android, iPhone, Windows, Blackberry)

iRescU provides for different usage modes which address:
 i. CPR/AED use training mode
 ii. CPR/AED support in an emergency setting
 iii. AED geolocation

Key features:

· Adherence to current AHA and/or ERC guidelines

· Identifies global emergency call numbers

· Calls EMS

· Captures data on location and CPR performance

· Human factors developed interface

· A streamlined navigation system

· Clear informative text utilizing laypersons terminology (multiple language capability).

· Real time visual, auditory, and haptic feedback

· Configured for infants, children and adults

· Automatically locates nearest AED in its live database

· AED location within a relevant, walking, running or driving radius

· Data capture platform to integrate existing AED databases

· EMS handover prompts

· Flexibility to update App easily and rapidly, so guidelines always up to date

iRescu is a two way Cabis driven system bridging the science of saving lives with social media. It features a front end step-by-step CPR guidance, GPS enabled global Emergency call number guide and AED locator App. iRescU is built on a robust cloud based back end data management system with a global architecture. iRescU provides the tools gratis and in real time to bystanders to help save lives at risk during out of hospital cardiac arrest.

iRescU also provides a unique opportunity for Emergency Services and Public Health Researchers to both capture and share previously inaccessible emergency care data.

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a project of:
EMSSafety
FOUNDATION
Innovation, Collaboration & Knowledge Transfer

www.EMSSafetyFoundation.org

iRescU
powered by **telematicus**

Saving Lives and Data

Cloud Based
Crowd Sourced

Scope of the Problem

Each year In the USA, more than **300,000 people** die from sudden out of hospital cardiac arrest (OHCA), — thousands could be saved.

The skills to perform CPR perform CPR and use an Automatic external defibrillator (AED) to save a life are known and ready to be in our hands, yet these are skills less than 5% of people are trained to have.

Despite extensive public education campaigns, in < 25% of OHCA is bystander CPR performed, and in < 2% of cardiac arrests is an AED used. Even though studies have shown that in ˜ 80% of OHCA there is a reversible defibrillatable rhythm.

Increasing bystander CPR and AED use will increase OHCA survival. Currently fewer than 8% of OHCA survive, increasing this survival rate to 20% could save **50,000 lives** in the USA alone each year.

Development Team

iRescU has been developed by a unique global team of experts as a pro bono under the auspices of the EMS Safety Foundation. iRescU is a project to bridge the current gaps in the chain of survival, and to harness smartphone and cloud based technologies and make it easy and accessible to save a life.

The Gaps

So you've taken the time to do a CPR class, and learned to use an AED BUT... HOW do you know you are using the most current guidelines, and HOW do you find WHERE the AED is when in an emergency?

Even if you have taken a class, guidelines change and skills decay, and though some may be comfortable with AED use, finding one where and when it is needed can be problematic.

And also, what is the Emergency number to call in other parts of the world?

The Proposed Solution

iRescU is a CPR/AED support tool with a ubiquitous front end App freely available for anyone with a mobile device and is driven by a backend cloud based two way Cabis data system.

iRescU is not only able to quickly and easily coach you in effective current CPR skills, iRescU can assist by dialing 911 (or global equivalent) — as well as providing you with coaching on how an AED works and where to find the nearest AED using a combination of technology, innovation and crowd sourcing.

The iRescU back end system is scalable and configurable to manage a variety of dimensions — from AED location and specifications, global GPS directed emergency call numbers to CPR and AED use guidance and training.

iRescU uses standard GPRS and GPS technology to both locate the emergency and interact with local emergency services, building a unique global data set of CPR/AED training and utilization. iRescU also can operate offline, saving data until connectivity is made.

Want to add to the AED database?
Scan the Tag to upload the AEDs pic and geolocation that you have found to:
iRescU.info/AEDupload.htm