

FACTS

Every Second Counts

Rural and Community Access to Emergency Devices

OVERVIEW



Each year in the U.S., there are approximately 359,400 Emergency Medical Services (EMS)-assessed cardiac arrests outside of a hospital setting and on average, less than 10% of victims survive. Cardiac arrest affects people of all ages, but occurs more commonly in adults

with prior heart disease. It will only become more common as Americans age.²

Immediate cardiopulmonary resuscitation (CPR) and early defibrillation, with an automated external defibrillator (AED), can more than double a victim's chance of survival.³ In fact. early defibrillation, along with CPR, is the only way to restore the victim's heart rhythm to normal in a lot of cases of cardiac arrest.³ For every minute that passes without CPR and defibrillation, however, the chances of survival decrease by 7–10%.⁴ The 2013 Update of AHA's Heart Disease and Stroke Statistics shows that 23% of out-of-hospital cardiac arrests are "shockable" arrhythmias, or those that respond to a shock from an AED, making AEDs in public places highly valuable. Yet, there are not enough AEDs and persons trained in using them and performing CPR to provide this life-saving treatment, resulting in lost opportunities to save more lives. Tragically, 64% of Americans have never even seen an AED.5

AED PROGRAMS IMPROVE SURVIVAL

Communities with comprehensive AED programs that include CPR and AED training for rescuers have achieved survival rates of nearly 40% for cardiac arrest victims.³ Making

AEDs more available to lay responders who are trained in their use could save even more lives.

Distribution of AEDs – FY 2002-2004 ⁶	
Location	Percentage
EMS, Police, and Fire	59%
Schools and Government	17%
Faith-Based and Recreation	12 %
Nursing Homes & Senior Centers	4 %
Hospitals, Clinics, and Other	8 %

MORE SUPPORT IS NEEDED

Congress created the *Rural and Community Access to Emergency Devices Program*, which is administered by the Health Resources & Services Administration (HRSA). This competitively awarded state grant program allows communities to buy AEDs, place them in public areas where cardiac arrest is likely to occur, and train lay rescuers and first responders in their use. The program has been successful, but underfunded.

- In 2002, 6,400 AEDs were purchased, and 38,800 individuals were trained in their use.⁸
- In 2008, only 225 AEDs were purchased and 849 individuals were trained in their use.⁹
- In FY 2009, less than 8% of applicants were funded.⁹
- In FY 2012, only 6%, or just eight of the approved applications, were funded.

TESTIMONIALS FROM THOSE SAVED BY THIS PROGRAM

 Butch Gibbs, of rural Humeston, lowa suffered cardiac arrest after performing in a play at the local elementary school. His wife, a trained community volunteer, brought him back to life by providing CPR and shocking his heart 22 times with an AED. The closest ambulance was nearly 30 miles away, so Butch knows the AED in the school saved his life. He was familiar with the device before his cardiac arrest, because it was an AED that he and fellow EMS volunteers received through a grant from the *Rural and Community Emergency Access to Devices Program.* Butch, a strong AED advocate, visits his lawmakers in Washington, D.C., to show how easy it is to use an AED and urge them to keep this life-saving program alive.

- Police lieutenant R.J. Thibodeaux of Abbeville, Louisiana suffered cardiac arrest while attending a movie with his sons. The CPR administered on the scene was not enough to revive him. Luckily, his police department had just received an AED through the Rural and Community Access to Emergency Devices Program, and Lt. Thibodeaux was the first person to be treated with the device. Thanks to the AED, he survived and returned to the police force. He and his children urge Members of Congress to provide adequate funding for this life-saving program.
- Former state legislator Ron Nichols of Palermo, North Dakota went to the local emergency room complaining that he felt tired and achy. Doctors decided to send Ron to a larger hospital 55 miles away, but during the ambulance ride, he suffered cardiac arrest. The ambulance nurse used an AED several times to shock his heart back to a normal rhythm. Ron credits the AED purchased through the Rural and Community Access to Emergency Devices Program for the Stanley, North Dakota ambulance service with saving his life. He hopes that federal lawmakers will fund this critical program adequately, so others can have a second chance at life.
- Mari Ann Wearda of Hampton, Iowa, suffered cardiac arrest as a result of ventricular fibrillation while stopped at an intersection light. Drivers noticed her slump over as her car drifted across the highway and called 911. Within two minutes, an officer arrived and immediately began to administer a combination of CPR and defibrillation. Mari Ann firmly believes that, in rural areas such as hers, it is so important for law enforcement to carry these life-saving devices since they are often the first to respond to an emergency call. She credits the Rural and Community Access to Emergency Devices Program for awarding funds that allowed the police to purchase 10 AEDs, one of which saved her life.
- Richard O'Connor of Groton, New Hampshire, suffered cardiac arrest from a potassium imbalance while undergoing a routine

examination in his doctor's office. An office nurse administered CPR and used an AED to shock him back to life. That very nurse had purchased the AED for the Plymouth Family Practice Center through a grant from the *Rural and Community Access to Emergency Devices Program*. Richard is extremely grateful that the AED was readily available in the doctor's office and urges all Members of Congress to restore funds to the program that saved his life.

THE ASSOCIATION ADVOCATES

Funding for the Rural and Community Access to Emergency Devices Program decreased by \$7.4 million, or 83%, between 2005 and 2007. Cuts made in FY 2006, specifically, reduced rural grants from 47 to four states. More recently, Congress increased the funding for the program from \$236,000 to \$2.5 million for FY 2012, but HRSA transferred \$1.4 million to the AIDS Drug Assistance Program. Additional resources are needed to save the lives of more victims of out-of-hospital cardiac arrest. Americans deserve better. The American Heart Association urges Congress to restore funding for the Rural and Community Access to Emergency Devices Program to the FY 2005 level of \$8.927 million when nearly all states were funded for this live-saving initiative.

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