



Take Heart America

THE CUTTING-EDGE APPROACH TO IMPROVING CARDIAC ARREST SURVIVAL

LAY RESCUERS

–provide immediate critical response made possible by:

- Calling 911 for help
- Widespread public cardiac arrest awareness and education programs
- Knowledge of correct AED use
- Widespread use of 911 Dispatcher-assisted CPR instructions

FIRST RESPONDERS

–assume responsibility for continued life-saving by:

- Rapid response
- Starting chest compressions immediately
- Delivering high quality CPR
- Use of CPR feedback tools
- Use of ACD+ITD CPR
- Rapid AED use
- Communication with base hospital
- Performance data collection

HOSPITAL STAFF

–help patients achieve full neurological recovery by:

- Cardiac catheterization ASAP
- Therapeutic temperature management ASAP
- Specialized ICU care
- EP evaluation/ICD placement
- Rapid recognition/treatment of in-hospital cardiac arrest
 - using same life-saving care provided by EMS PERSONNEL
 - using algorithms to predict risk of cardiac arrest
- Outcome tracking/reporting
- Support/education for patients/loved ones

EMS PERSONNEL

–provide additional life-saving measures with:

- High quality CPR
- IO drug delivery
- Advanced airway management
- ACD+ITD CPR
- Mechanical CPR
- Continuous ET_{CO2} monitoring
- Cerebral oximetry
- Application of pediatric and adult algorithms
- Extended scene times
- Therapeutic temperature management
- Performance data collection



LAY RESCUERS



FIRST RESPONDERS



HOSPITAL STAFF



EMS PERSONNEL

SURVIVAL

320.293.0295
www.takeheartamerica.org

ACD	Active Compression Decompression
AED	Automated External Defibrillator
ETCO ₂	End Tidal CO ₂
IO	Intra Osseous
ITD	Impedance Threshold Device