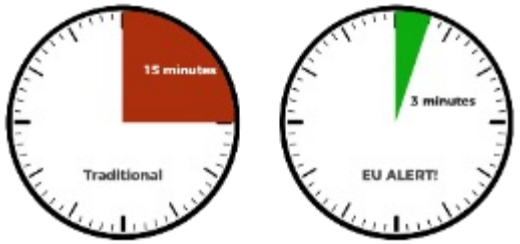
6-year Joint Study with FAA
Dramatically Increased Survival from Cardiac Arrest

PURPOSE

Research has clearly documented the benefit of early provision of CPR and application of an AED to the victim of Sudden Cardiac Arrest ("SCA"). More Automated External Defibrillators ("AEDs") are being purchased than ever before. However, recently published SCA consortium studies reveal that the SCA response rate by lay responders remains a dismal 2%. The authors implemented alternative training techniques and innovative technologies to determine whether they could improve the SCA response rate at a nation-wide federal agency

EU ALERT! DRAMATICALLY REDUCED RESPONSE TIME



METHODS

The authors implemented new training programs targeting 4 distinct segments of an organization with 45,000 employees located at multiple sites. Each training program was developed based on behavioral

MATERIALS

Science to prepare that segment uniquely for their responsibility to create a successful AED program, as defined by a successful SCA response. SCA response was defined as alerting trained responders and 911, immediate provision of CPR, and attaching the closest functioning AED to the SCA victim prior to the arrival of Emergency Medical Services ("EMS"). New technologies were provided to the appropriate segments to facilitate and ensure AED compliance and an immediate response from trained responders

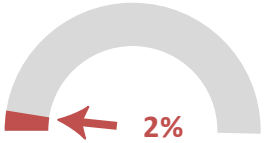
Please refer to p. 20 for a detailed SCA.

Presented at European Resuscitation Conference; Published in Resuscitation; Authors: Odelia Braun, MD, JD Medical Director Emergency University; Tom Holloway, Ph.D. Manager, Employee Health and Safety, FAA.

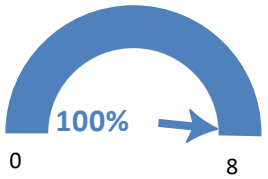
RESULTS

Training programs were successfully implemented at the targeted populations. AED compliance was recorded on a monthly basis. Eight (8) SCA events occurred over the study period. The average monthly AED compliance rate was 100%. The SCA response rate was 100%.

U.S. PUBLISHED SCA RESPONSE RATE



FAA SCA RESPONSE RATE



CONCLUSIONS

Providing basic AED/CPR training and placing AEDs in strategic locations produces an average 2% SCA response by lay responders. The addition of targeted training programs for essential personnel and specific technological tools can significantly improve cardiac arrest response rates, and therefore SCA survival

EU ALERT! IS THE MISSING LINK IN THE CHAIN OF SURVIVAL



Contributing Factors for a Successful Save