



COSH **SCIC** **OSH**
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10 THINGS AED PROGRAM MANAGER SHOULD AVOID

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THE FUTURE OF WORK



ZOLL At A Glance

Global Expertise and Direct Local Manufacturer Support

- ZOLL – **global market leader** in US Hospitals, EMS Services & Public Access Defibrillation
- Has expertise deploying large scale projects and awareness campaigns regionally and globally
- The only defibrillator manufacturer **with local office and service center in Malaysia** and with supplementary support from regional HQ in SG.
- ZOLL technologies are US-FDA approved and MDA certified.



2018 AED 3 BLS installed in KKM Block E1



2016 KKM Ambulance Project



10 Things AED Program Manager Should Avoid

1. Consider AED Program as a short-term project

- Setting up AED program is like investing which pays to have a long term perspective.
- Project is not over after AEDs are installed and people are trained.
- AEDs will remain in your facility for easily 10 years or more after purchase.
- A good AED program needs a good manager with a lot of preparation and readiness to be able to rescue collapsed victim within minutes.



10 Things AED Program Manager Should Avoid

2. Focus on AED rather than training

- There are many AEDs out there in the market. Deciding which AED to install, no matter how easy it is to use, is not the most important decision to make.
- It is more crucial to ensure that you have rescuers that are properly trained to be able to get the AED, apply quickly and accurately, ability to perform high quality CPR and keep it up until emergency medical personnel arrive.



10 Things AED Program Manager Should Avoid

3. Ignore high-quality CPR

- All rescuers should be able to deliver high-quality CPR to improve patient survival outcome
- AEDs **DO NOT** replace CPR

FOUR TIPS FOR DELIVERING HIGH-QUALITY CPR



1

100-120 compressions
per minute

2



Compressions to the
depth of 5-6cm

3



Continuous CPR

4

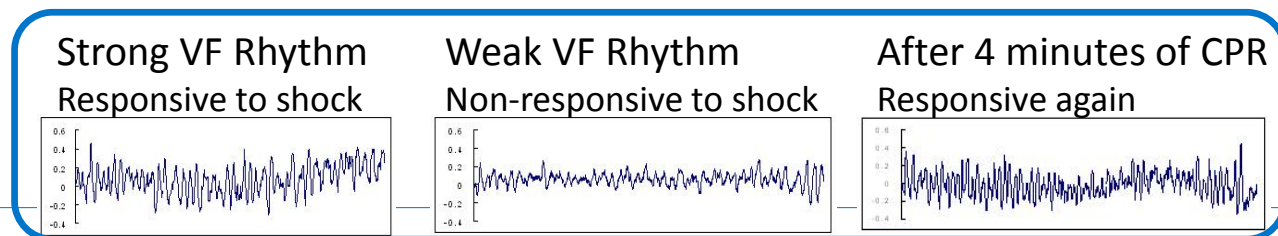


Fully release
between compressions

10 Things AED Program Manager Should Avoid

4. Train rescuers about WHAT to do but not explaining WHY they should do it

- Crucial to ensure rescuers know why they need to do CPR even when AED is present, not just how to do CPR
- Why CPR is important?
 - Provides oxygenated blood to the brain
 - Provides oxygenated blood to the heart
 - Evacuate blood that collects in the heart
- 100% of the time CPR will benefit the patient, only <50% of the time need to deliver shock. Shock is to stun or “restart” the heart



10 Things AED Program Manager Should Avoid

5. Fail to schedule and track training for your rescuers

- Important to ensure that your organization is always rescue ready.
- Someone needs to track who to be trained and who is trained and if training is current
- According to AHA, max student-to-instructor ratio for CPR/AED training should not exceed 6

10 Things AED Program Manager Should Avoid

6. Purchase an AED from “single product” company or company that sells every type of product

- Over the years, some AED manufacturers have struggled or gone out of business because of problems detected in product that is drastic enough for FDA recalls.
- Small medical device company with no other products cannot avoid going out of business in such situation.
- There are also companies that are not specialized in AEDs but have a wide range of products even home appliances products. These companies do not focus on AEDs alone and so may not allocate resources for R&D and solving any product issues etc.

10 Things AED Program Manager Should Avoid

7. Fail to train everyone in: how to recognize SCA, what an AED looks like, where they are located and how to contact someone who is trained

- The best AED program would train everyone in your facility in CPR and use of AED
- In many organizations, only a certain number of people go through certified training while others are not.
- But everyone else in the organization should receive enough information on how to recognize SCA and know how to respond in SCA emergencies.
- Systematic approach is also important within organization i.e. everyone should know who are trained and who to contact with SCA emergencies

10 Things AED Program Manager Should Avoid

8. Ignore the cost of pads and batteries over life of AED program

- Buying the cheapest AED not necessarily the best way to keep costs down
- Important to consider total cost of ownership for AEDs considering how frequent you need to replace the pads and batteries, costs of deploying all the accessories to varying locations
- Consider also the hassle of repeated procurement process for these accessories



10 Things AED Program Manager Should Avoid

9. Failure to consider the need for rescue accessories in addition to AEDs

- Always a good idea to have additional rescue accessories required for rescue
 - A pair of **scissors** to cut off clothing
 - **Razor** for shaving hair to prevent contact with electrode pads
 - **Paper towel** to wipe sweat from chest of patient prior to attaching electrode pads
 - **Rubber gloves** to protect rescuers' hands
 - **Barrier mask** for optional rescue breathing during CPR



10 Things AED Program Manager Should Avoid

10. Failure to consider psychological effects of attempted rescue on people in organisation

- Implementing AED program is like buying a life insurance - nice to have it but comforting not to use it
- The larger the organization, higher chances of having an “event”
- Person who collapses will likely be someone known - employee, relative of employee or customer who happens to be in the area.
- If people are well-trained and equipped, survival rate is increased and with every survival case, the event will be long remembered on how a life was saved in those terrifying minutes.

ZOLL



ANYTHING CAN HAPPEN.

ANYONE CAN HELP.

