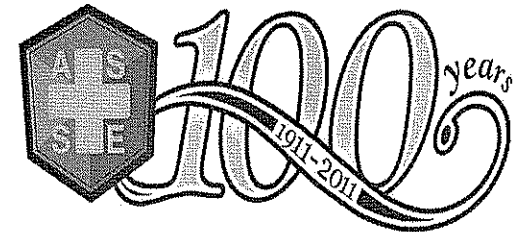


Public Access Defibrillation Program Management

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Public Access Defibrillation

- Cardiac Arrest Statistics
- “Survey” of Attendee PAD Programs
- PAD Program Requirements
 - DC, DE, MD, PA, VA, WV
- Legal Issues
- Starting an AED Program
- AED demonstration
- Rescue One Presentation



Public Access Defibrillation

- Out of Hospital Sudden Cardiac Arrest
 - EMS treats 300,000 victims per year
 - < 33% receive bystander CPR
 - < 8% survive to hospital discharge

(Source: AHA CPR & Sudden Cardiac Arrest Fact Sheet – April 26,2010)



Public Access Defibrillation

- AHA Cardiac Arrest Chain of Survival
 - Immediate recognition of cardiac arrest and activation of EMS
 - Early CPR (with emphasis on chest compressions)
 - Rapid defibrillation
 - Effective advanced life support
 - Integrated post-cardiac arrest care



Public Access Defibrillation

- Seattle PAD Study
 - 50 out of hospital cardiac arrest victims treated with PAD prior to EMS arrival
 - Overall
 - 76% admitted to the hospital
 - 50% discharged from hospital alive
 - "Shock Advised"
 - 81% admitted to the hospital
 - 55 % discharged alive

(Source: Circulation, 2004, Culley, et al)



Public Access Defibrillation

- 2010 AHA CPR & ECC Guidelines
 - Survival Rates w/ Immediate CPR & AED Use within 3 to 5 minutes
 - 41 – 74%
 - Decrease in Survival Rates w/ Delay in AED Use
 - With CPR – 3 to 4% per minute
 - Without CPR – 7 to 10% per minute



Public Access Defibrillation

- Attendee PAD Program “Survey”
 - Current CPR/AED Training
 - “Expired” CPR/AED Training
 - Locations of Operations
 - Active Workplace PAD Program
 - Actual Uses
 - Comments



Public Access Defibrillation

- Common Requirements for PAD Programs
 - Trained Personnel
 - FDA Approved AEDs only
 - Maintained in accordance with manufacturer's guidelines
 - AED Related Supplies
 - Immediate 911 Activation upon AED use



Public Access Defibrillation

- District of Columbia
 - Fire and EMS Department
 - AED Law – 2000



Public Access Defibrillation

- District of Columbia
 - Requirements
 - Register program w/ DCFEMS
 - \$25.00 fee
 - Re-registration every 4 years
 - Physician Medical Director
 - Reporting
 - “Verbal” within 24 hours
 - Written within 72 hours



Public Access Defibrillation

- Delaware
 - Department of Health and Social Services -
Division of Public Health -
Office of Emergency Medical Services
 - Rules and Regulations
 - Established March 2007



Public Access Defibrillation

- Delaware
 - Eligibility
 - Any agency, organization, or business that routinely provides:
 - BLS Services
 - First Responder Services or
 - Maintains an “organized” First Responder Team



Public Access Defibrillation

- Delaware
 - Requirements
 - Register program with OEMS
 - Re-registration every 3 years
 - Appoint a Service Coordinator
 - Successfully complete a SAED training course
 - Submit AED use report to OEMS within 72 hours
 - Oversee training of AED providers
 - Submit annual report to OEMS



Public Access Defibrillation

- Delaware
 - Requirements (cont'd)
 - Approval of Service Director
 - AED use by Service Coordinator approved trained personnel only
 - Annual continuing education
 - State provided AEDs – 36 month waiting list
 - State protocol for use



Public Access Defibrillation

- Maryland
 - Maryland Institute for Emergency Medical Services System (MIEMSS)
 - Regulations – COMAR 30.06
 - Established – January 2000



Public Access Defibrillation

- Maryland
 - Requirements
 - Register Program with MIEMSS
 - Re-registration every 3 years
 - Designate AED Coordinator
 - Implement Quality Assurance Program
 - Adopt written policies for AED operation and maintenance



Public Access Defibrillation

- Maryland
 - Requirements (cont'd)
 - Annual scenario based practice drill for all trained personnel
 - Submit use report to MIEMSS within 48 hours
 - Follow State protocol for AED use
 - Access to phone for 911 activation
 - Written weekly Inspections



Public Access Defibrillation

- Maryland
 - Exempt Entities
 - Healthcare Facilities
 - Physician's Offices
 - Dentist's Offices
 - Federal Government Agencies
 - Jurisdictional EMS Operational Programs
 - (Licensed) Commercial Ambulance Services



Public Access Defibrillation

- Maryland
 - Failure to Comply
 - Maryland EMS Board can issue “cease and desist” order or obtain injunctive relief
 - Entity not covered under Good Samaritan Law



Public Access Defibrillation

- Pennsylvania
 - Department of Health -
Bureau of Emergency Medical Services
 - AED Good Samaritan Law - 1998
 - Guidelines – EMS Information Bulletin #011
 - Established January 2004



Public Access Defibrillation

- Pennsylvania
 - Requirements
 - Immediate 911 activation
 - Provide incident data to responding EMS



Public Access Defibrillation

- Pennsylvania
 - Recommendations
 - Physician Medical Director
 - Notify regional EMS council
 - Monthly report to regional EMS council
 - Notify local EMS providers and/or 911



Public Access Defibrillation

- Virginia
 - Department of Health -
Office of Emergency Medical Services
 - 2003 legislation rescinded regulations governing PAD programs



Public Access Defibrillation

- West Virginia
 - Department of Health and Human Resources -
Office of Emergency Medical Services
 - AED legislation passed – 1998
 - Registration Guidelines
 - Established February 2000



Public Access Defibrillation

- West Virginia
 - Requirements
 - Register program with OEMS
 - AED use by approved trained personnel only
 - Physician Medical Director
 - Designate “Official Representative”
 - Notify local EMS and 911
 - OEMS data collection and reporting



Public Access Defibrillation

- Legal Issues
 - Good Samaritan Laws
 - Protects “registered” programs and providers
 - Successful Litigation
 - Malfunctioning equipment – Yes
 - No AED available – Yes
 - AED available but not used or delayed – Yes
 - Proper early AED use – No



Public Access Defibrillation

- Legal Issues (cont'd)
 - Safe Medical Device Act
 - FDA Program
 - “Reportable Failures” Requirement

- **Disclaimer: Consult Legal Counsel**

Public Access Defibrillation

Public Access AED Program Requirements						
Requirements	DC	DE	MD	PA	VA	WV
Registration Required	Yes	Yes	Yes	No	No	Yes
Registration Renewal Period (in years)	4	3	3	N/A	N/A	N/A
Fee	\$25.00	No	No	No	No	No
Medical Director	Yes	No	No	Rec	No	Yes
Designated "Coordinator"	No	Yes	Yes	No	No	Yes
Trained Personnel	Yes	Yes	Yes	Yes	No	Yes
Requirement for Reporting	Yes	Yes	Yes	Rec	No	Yes
Trained / Approved Personnel AED Use Only	No	Yes	No	No	No	Yes
State Protocol for AED Use	No	Yes	Yes	No	No	No
State Provided AEDs	No	Yes	No	No	No	No
Notification of Local/Regional EMS	No	No	No	Rec	No	Yes



Public Access Defibrillation

Jurisdictional Information

- District of Columbia
 - DC Fire and EMS Department
 - <http://fems.dc.gov/DC/FEMS/>
- Delaware
 - Office of Emergency Medical Services
 - <http://dhss.delaware.gov/dph/ems/ems.html>
 - <http://dhss.delaware.gov/dph/ems/aed.html> (Public Access AED Program website)



Public Access Defibrillation

Jurisdictional Information (cont'd)

- Maryland
 - Maryland Institute for Emergency Medical Services System (MIEMSS)
 - <https://www.miemss.org/home/>
- Pennsylvania
 - Bureau of Emergency Medical Services
 - http://www.portal.health.state.pa.us/portal/server.pt/community/emergency_medical_services/14138



Public Access Defibrillation

Jurisdictional Information (cont'd)

- Virginia
 - Office of Emergency Medical Services
 - <http://www.vdh.state.va.us/OEMS/>
- West Virginia
 - Office of Emergency Medical Services
 - <http://www.wvoems.org/>



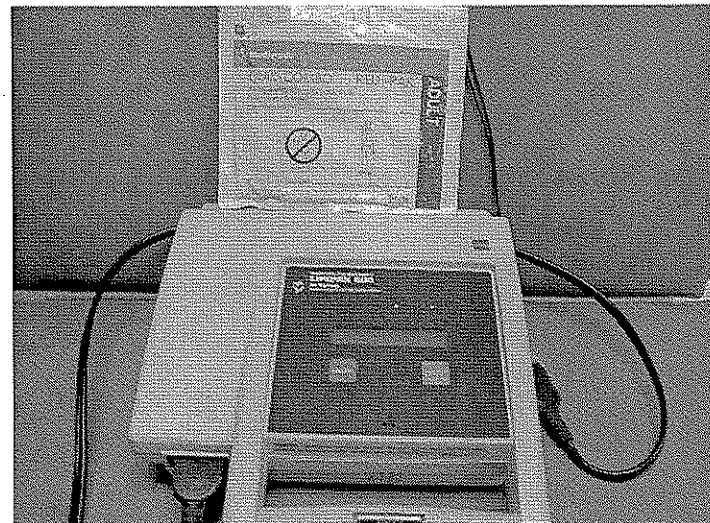
Public Access Defibrillation

- Setting up a Program
 - Facility Need Determination
 - Organizational Commitment
 - Sufficient # of Trained Personnel
 - Placement of / Access to AEDs
 - Maintaining AEDs and Related Supplies
 - Consistent Timely Response
 - “Regulatory” Compliance

Public Access Defibrillation

■ AED Demonstration

- Assess victim
- Initiate CPR (CAB)
- Turn AED On
- Attach Electrodes
- "Analyzing"
- "Shock Advised"
- Shock
- Continue CPR and AED as needed





Public Access Defibrillation

- Review
- Future Assistance
- Questions / Comments

