



Strategies for Community Planning Based on the Essential Components of an Emergency Cardiac Care Plan



Strategies for Community Planning

- **Strategies should be based on the essential components of an emergency cardiac care plan.**



Strategies: Community/Regional

- **Action Plans and Protocols**
 - Categorization of hospitals
 - Triage and transport protocols
 - Ensuring payer funding
- **Equipment and Resources**
 - Upgrades and purchases for the EMS system



Strategies: Community/Regional (continued)

- **Education and Training**
 - Continuing education symposia on acute MI care for health professionals
 - CPR training
- **CQI Evaluation and Research**
 - Designated by regional planning coalition
 - Patient outcomes based on sound data



Strategies: Hospital

- **Action Plans and Protocols**
 - Acute MI management protocols
- **Equipment and Resources**
 - 12-lead electrocardiogram (ECG) machine
 - Defibrillator
 - Thrombolytic therapy



Strategies: Hospital (continued)

- **Education and Training**
 - Importance of time to treatment
 - Essentials of triage in the emergency department
 - Sources of delay in the emergency department
- **CQI Evaluation and Research**
 - CQI to examine sources of delay in the emergency department



Strategies: Prehospital/EMS System

- **Action Plans and Protocols**
 - Prearrival instructions
 - Acute MI management protocols
- **Equipment and Resources**
 - Automated external defibrillator (AED)
 - Prehospital 12-lead ECG
 - Acetylsalicylic acid (ASA) and thrombolytic therapy



Strategies: Prehospital/EMS System (continued)

- **Education and Training**
 - Importance of time to treatment
 - Use of AEDs
 - 12-lead ECG transmission
 - CPR
 - ACLS
- **CQI Evaluation and Research**
 - Transport times
 - Other



Strategies: Health Care Sites

- **Action Plans and Protocols**
 - Telephone triage protocols
 - Office protocols for walk-ins
- **Equipment and Resources**
 - 12-lead ECG machine
 - AEDs (depending on volume)
 - Emergency telephone number to access EMS
 - Nearest /appropriate hospital designated



Strategies: Health Care Sites (continued)

- **Education and Training**
 - Patient education about cardiac emergencies
 - Early recognition of symptoms and problems of delay
 - Telephone query techniques
 - CPR training of staff
 - Use of AEDs
- **CQI Evaluation and Research**
 - CQI of office/clinic-based triage system



Strategies: Worksites/Industry

- **Action Plans and Protocols**
 - Emergency protocols for triage and access of EMS for cardiac arrest/acute MI patients
- **Equipment and Resources**
 - AEDs
 - Aspirin (ASA) onsite
 - Emergency phone number posted widely (decals)
 - Nearest hospital designated



Strategies: Worksites /Industry (continued)

- **Education and Training**
 - First-responder staff training in CPR and early symptom recognition
 - AED use where appropriate
- **CQI Evaluation and Research**
 - Ongoing assessment of events and improvement in essential components



Strategies: Public Settings

- **Action Plans and Protocols**
 - Emergency protocols for triage and access of EMS for patients with cardiac arrest or acute cardiac ischemia (ACI)
- **Equipment and Resources**
 - AEDs as appropriate
 - ASA onsite
 - Emergency phone number posted widely
 - Nearest hospital designated



Strategies: Public Settings (continued)

- **Education and Training**
 - CPR training of volunteers
 - AED use by relevant personnel and by volunteers
 - Targeted education
- **CQI Evaluation and Research**
 - Ongoing assessment of events and improvement in essential components



Strategies: Patients/Families

- **Action Plans and Protocols**
 - Emergency action plan predetermined with physician and posted on refrigerator
- **Equipment and Resources**
 - Nitroglycerin (fresh) for high-risk patients, previously prescribed
 - ASA
 - Medical history information on person



Strategies: Patients/Families (continued)

- **Education and Training**
 - Training of patient/family members in early recognition of symptoms and signs of ACI and appropriate action steps
 - CPR by family members of high-risk patients
- **CQI Evaluation and Research**
 - Primary care physician/nurse assess plan with patient at regular intervals



Strategies: General Public

- **Action Plans and Protocols**
 - Emergency protocols for triage and access of EMS for patients with cardiac arrest or acute coronary syndromes
- **Equipment and Resources**
 - AEDs as appropriate
 - ASA (if on hand)
 - Emergency phone number readily available
 - Nearest hospital designated



Strategies: General Public (continued)

- **Education and Training**
 - Public education about early recognition of symptoms and signs of acute coronary syndromes; need for action plan
 - How to use EMS system
 - CPR training
 - AED training as appropriate
 - Emergency protocols for triage and access of EMS
- **CQI Evaluation and Research**
 - Designated by regional planning coalition