History of Medic One
Culture of Excellence
Pre-Hospital Cardiac Care in U.S.A. - 1970

- Seattle
- Los Angeles
- Columbus
- New York
- Miami
Can non-physicians be trained to provide ALS?

Can lives be saved?
Out-of-Hospital VF

Lessons Quickly Learned

- Resuscitation Is Feasible
- Response Times Are Critical
- VF Is Most Often Not Due to Acute MI
Seattle Rotary No. 4
Seattle Fire Department
Co-Sponsor
MEDIC-TWO
CITIZEN TRAINING IN
C.P.R.
Cardio Pulmonary Resuscitation
“Medic Two”

- Aggressive Citizen CPR campaign
- Community Support
- Involvement - 45 – 50 %
Tiered Response
<table>
<thead>
<tr>
<th>Year</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>1973</td>
<td>Bellevue</td>
</tr>
<tr>
<td>1975</td>
<td>Evergreen (Redmond)</td>
</tr>
<tr>
<td>1977</td>
<td>Shoreline</td>
</tr>
<tr>
<td></td>
<td>Parts of South King County</td>
</tr>
<tr>
<td>1979</td>
<td>Rest of King County</td>
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</tbody>
</table>
Seattle Fire Medic One
aka “The Flagship”
Medical Directors

- Dr. Michael Copass
Medical Directors

- Dr. Mickey Eisenberg
EMT Defibrillation

- King County 1980
- VF survival
  - 7% without EMT – D
  - 26% with EMT – D
  - 38 % with EMT – D + Paramedics
EMT Defibrillation

- King County 1984
Instructions for Using AEDs 1984

- “Application of the automatic external defibrillator is to have the highest priority in treating ....”
Instructions for Using AEDs
1994

• “... the designated CPR person will begin chest compressions immediately at a rate of 80 to 100 compressions per minute ... to accomplish 150 compressions in 90 seconds ....”
Dispatcher Assisted CPR
Dispatch Triage

- BLS Only
- BLS + ALS
- 2 BLS + ALS
Research

Sodium Bicarb
MITI - Thrombolytics
Mono vs Bi-Phasic Shock
Saline vs D5W
Amiodarone
CABS*
Hypertonic Saline
Hypothermia*
ROC PRIMED
Dispatcher Assist CPR
Physio Control
Trauma ETT
ETT adjuncts - fiber-optic, etc.
Monitoring devices - O2, Co2, CO, NIBP, Temp. etc.
Doppler
ASPIRE - Autopulse (Mechanical compression device)

* Current studies
Leadership

Training

Research/QI

Culture of Excellence

[Diagram with icons representing different concepts related to leadership, training, research/QI, and culture of excellence]
Cardiac Arrest in Seattle/King County