

# Arresting Developments: HP-CPR in Kids



Peter Antevy MD

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## Speaker Disclosure

- Handtevy - Pediatric Emergency Standards, Inc.
  - Founder and CMO
  - Pediatric Resuscitation System





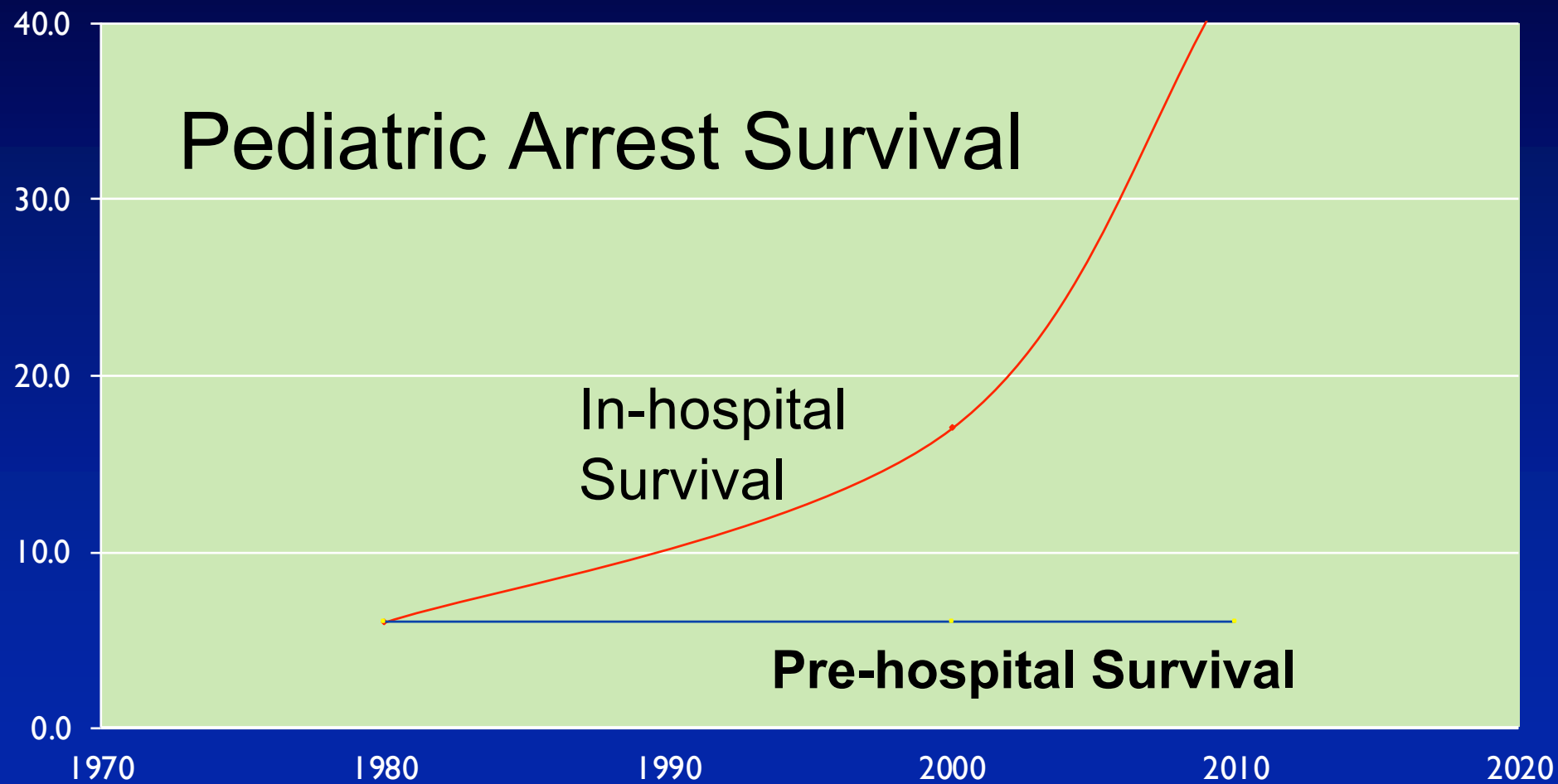


**Wolfpack  
HP-CPR**





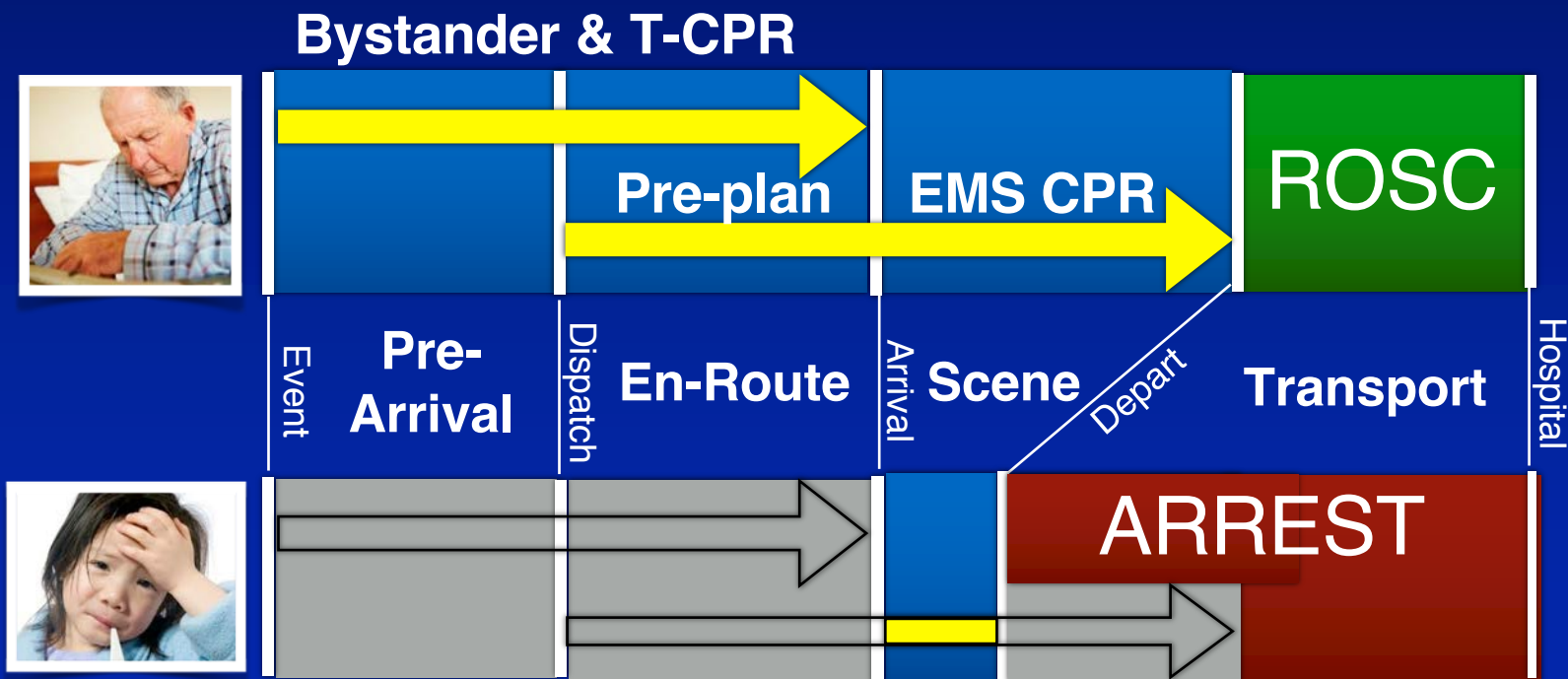
# Pediatric Arrest Survival



Part 14: Pediatric Advanced Life Support: 2010 American Heart Association Guidelines for Cardiopulmonary Resuscitation and Emergency Cardiovascular Care. Circulation 2010;122:S876-S908

Girota, SM et al. Survival Trends in Pediatric In-Hospital Cardiac Arrests: An Analysis from GWTG-Resuscitation. Circ Cardiovasc Qual Outcomes. 2013 January 1:6(1): 42-49

# Where Are the Disparities?



# 3 Critical Items

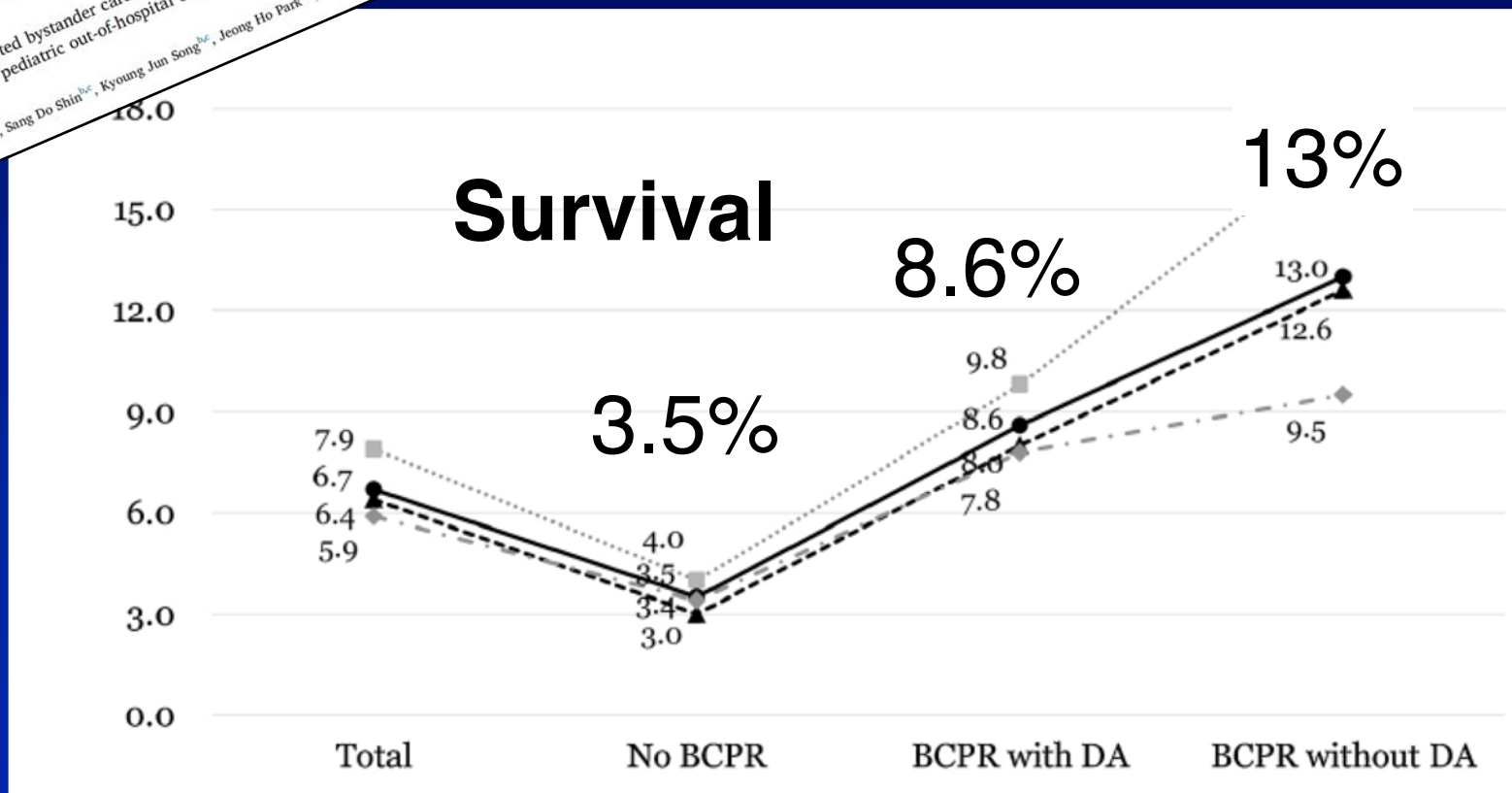
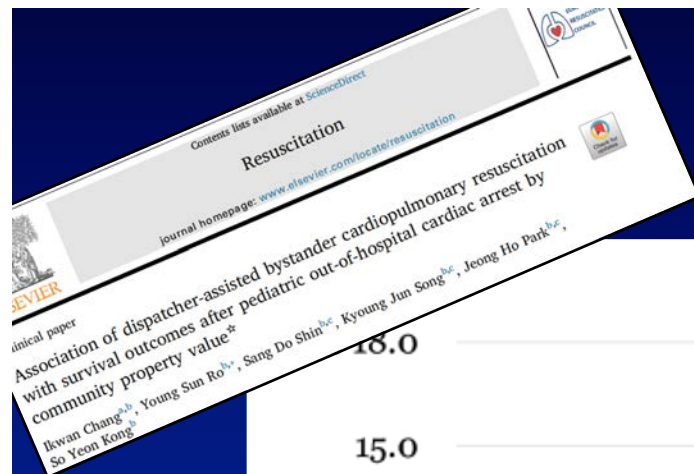
Lay-CPR

T-CPR

EMS CPR



# Resuscitation Sept. 2018







**Is the patient Awake,  
Can you wake them up?**

**Is the patient breathing  
normally?**

**- Cardiac Arrest -  
START CPR**

## Telephone CPR (T-CPR) Time Interval Standards

**Arrest Recognition = 60 seconds**  
**Hands on Chest = 120 seconds**

HIGH-  
PERFORMANCE  
SYSTEM

MINIMAL  
ACCEPTABLE  
STANDARD



Time between 911 call and OHCA Recognition

**<120 seconds**

Performance Recommendation #4\*

Time between 911 call and Delivery of T-CPR

**<180 seconds**

Performance Recommendation #5\*

### STEP 1

911 call connects  
to Primary Public Safety  
Answering Point (PSAP)

### STEP 2

Primary PSAP connects  
to Emergency Medical  
Dispatch (EMD) PSAP

### STEP 3

Address acquisition

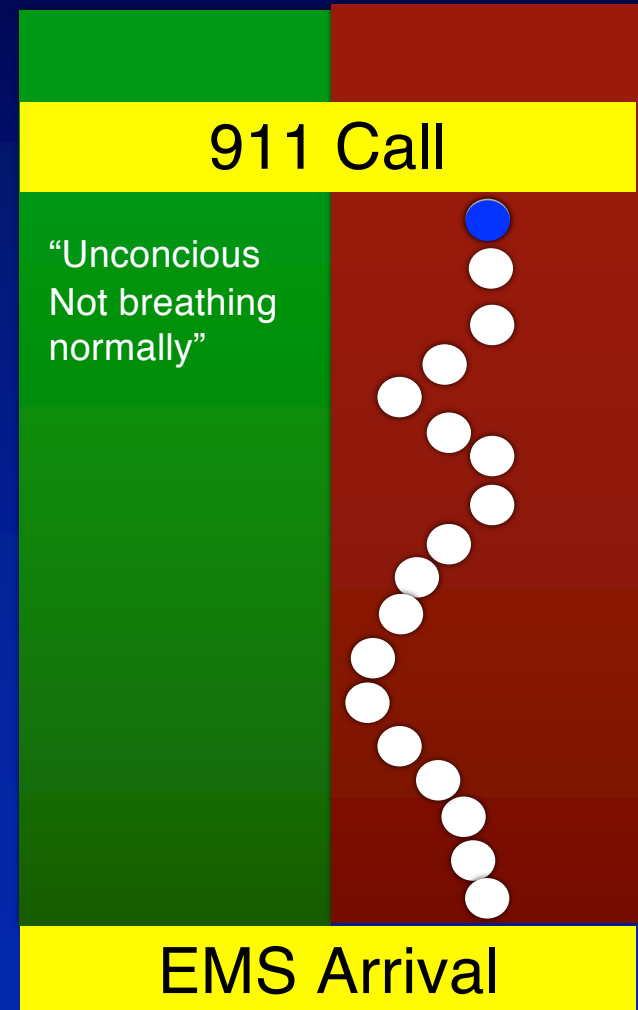
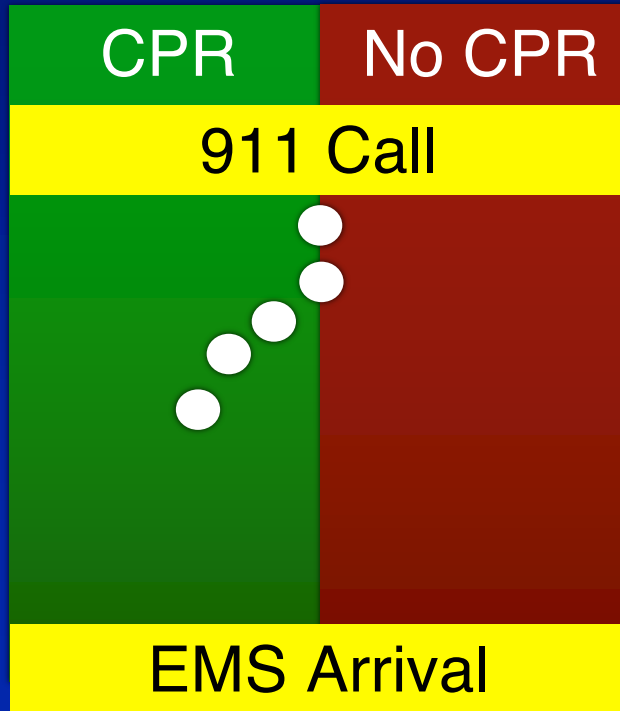
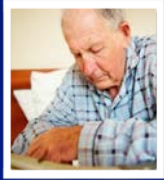
### STEP 4'

**Recognition of OHCA**  
1. Call taker verbally  
recognizes OHCA  
2. Instructions started  
for T-CPR

### STEP 5

Delivery of first  
T-CPR compression  
and continued  
T-CPR support

# See the Difference





# Why the Difference in Pediatric T-CPR

1. Don't want to start
2. Stop Prematurely



# What About EMS and Pediatrics?

Lay-CPR

T-CPR

**EMS CPR**



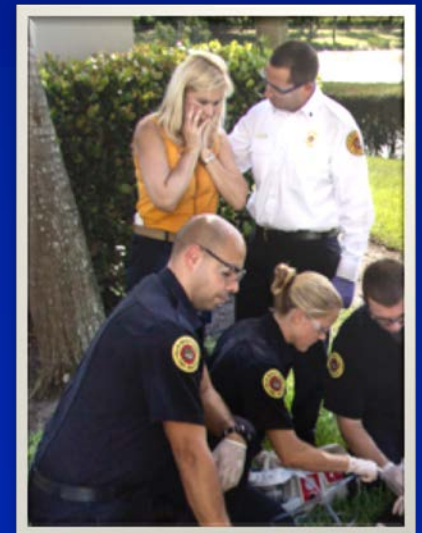
# Two Key Elements

## 1. Pre-Arrival Planning (Have a Deliberate Discussion)

- Dosing and Equipment Known Prior to Arrival

## 2. *Rapid* High Quality On-Scene Care

- Keep family member informed
- Early Epinephrine



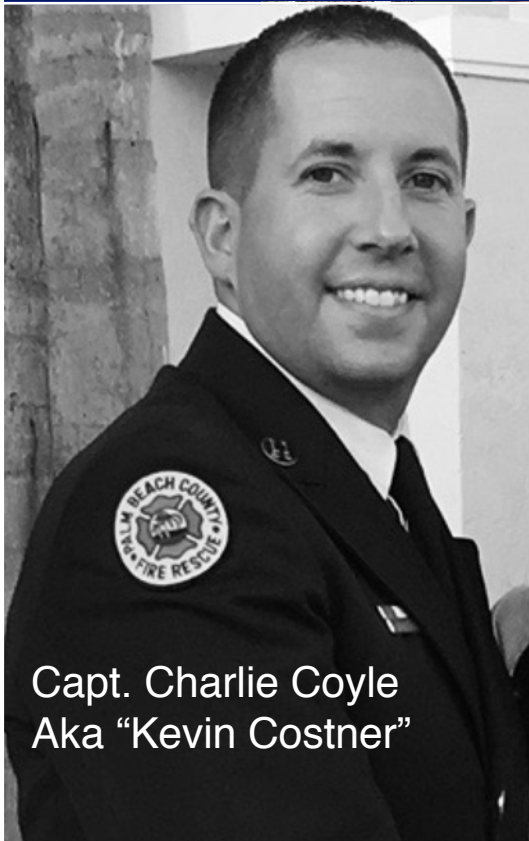


# Pre-Arrival Discussion



Watch full video on Youtube at [https://youtu.be/lg\\_fAL8C3Wc](https://youtu.be/lg_fAL8C3Wc)

# On Scene HP CPR



Capt. Charlie Coyle  
Aka "Kevin Costner"





# CPRLifeLinks

*9-1-1 and EMS united to save more lives.*

**COMING SOON**



Led by Ben Bobrow MD

- CPR Lifelinks Implementation toolkit
- Training Curriculum
- Video learning
- Website with all Resources



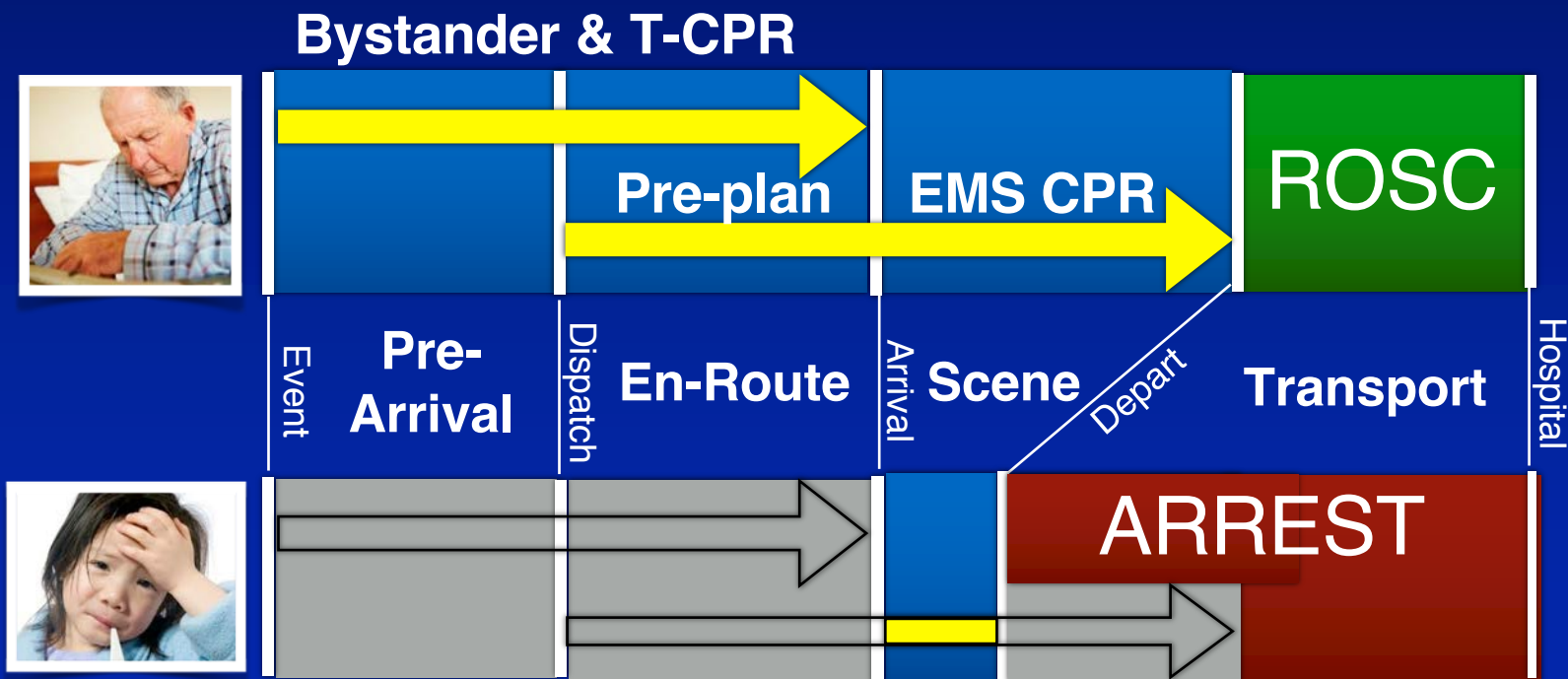


# Summary

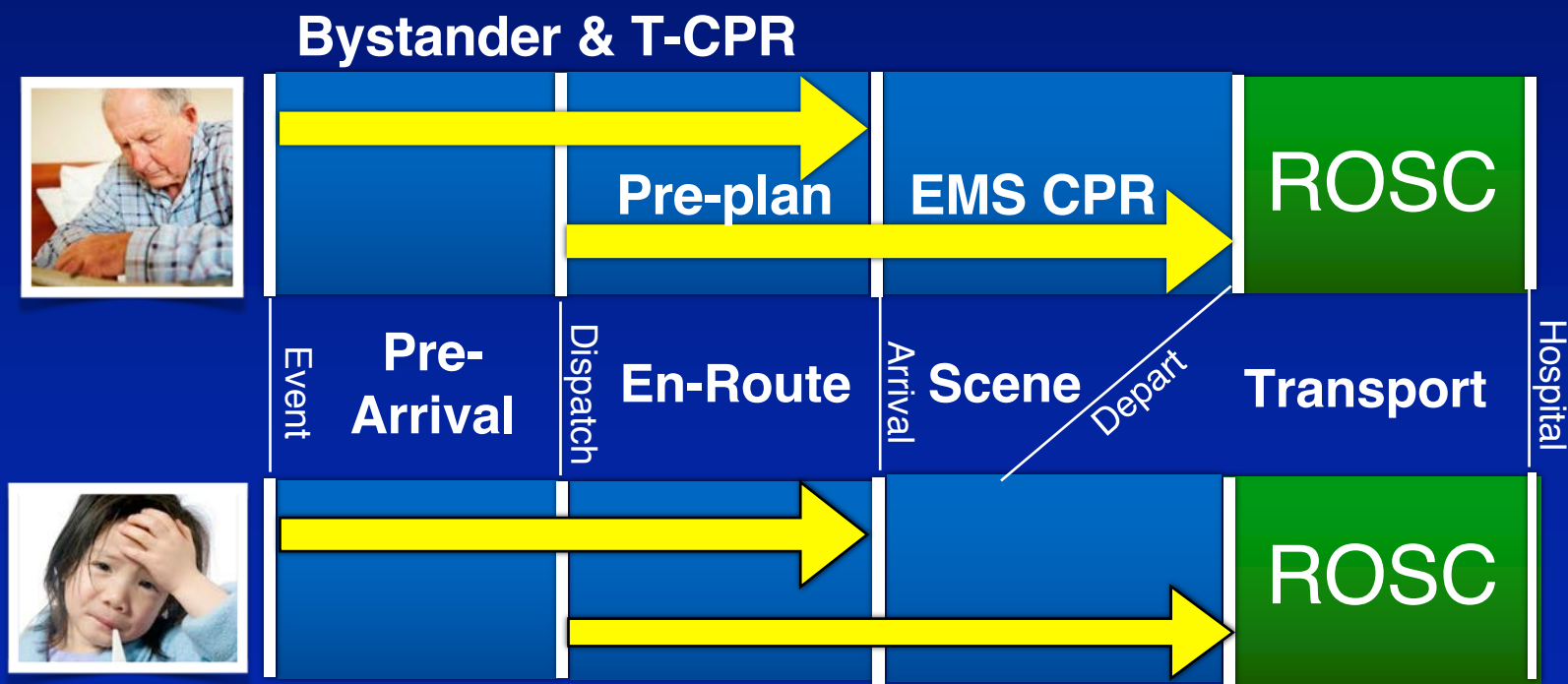
1. Lay Person CPR
2. T-CPR: No, No, Go
3. Pre-arrival Plan
4. HP-CPR w/Early Epi
5. Look for CPR LifeLinks

**Don't Be a  
Lone Wolf**

# If This is Your Today



# Make This Your Little A&D's





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