

When Small Ones Are Under Arrest

Re-Visiting Pre-Arrival Instructions for Pediatric CPR

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5 Things Your Telling Yourself Right Now

- "I hate talking about pediatrics"
- "Can't we talk about TXA or Ketamine?"
- "Does Chris Colwell really sell drugs?"
- "Does Ken Scheppke really have his own airplane?"

WHAT MATTERS IN ARREST





BYSTANDERS MATTER

JAMA Pediatrics

February 2017

JAMA Pediatr. 2017;171(2):133-141. doi:10.1001/jamapediatrics.2016.3643

Association of Bystander Cardiopulmonary Resuscitation With Overall and Neurologically Favorable Survival After Pediatric Out-of-Hospital Cardiac Arrest in the United States A Report From the Cardiac Arrest Registry to Enhance Survival Surveillance Registry

Maryam Y. Naim, MD¹; Rita V. Burke, PhD, MPH²; Bryan F. McNally, MD, MPH³; et al

JAMA Pediatrics

Naim, Burke, McNally JAMA Pediatr. 2017;171(2):133-141. doi:10.1001/jamapediatrics.2016.3643

3900 Children

- Infants (54%)
- Female (60%)
- Non-shockable (92.2%)

Bystander CPR Rate Only 46.5%

BCPR = Increased Survival

EMS EDUCATES THE PUBLIC

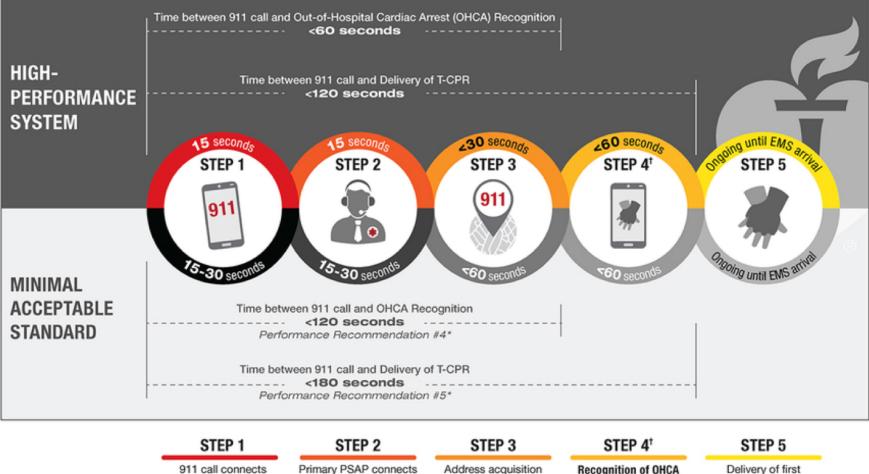






T-CPR RECOMMENDATIONS

Telephone CPR (T-CPR) Time Interval Standards



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

Primary PSAP connects to Emergency Medical Dispatch (EMD) PSAP

Address acquisition

- **Recognition of OHCA** 1. Call taker verbally
- recognizes OHCA

T-CPR compression

and continued

T-CPR support

- 2. Instructions started
- for T-CPR

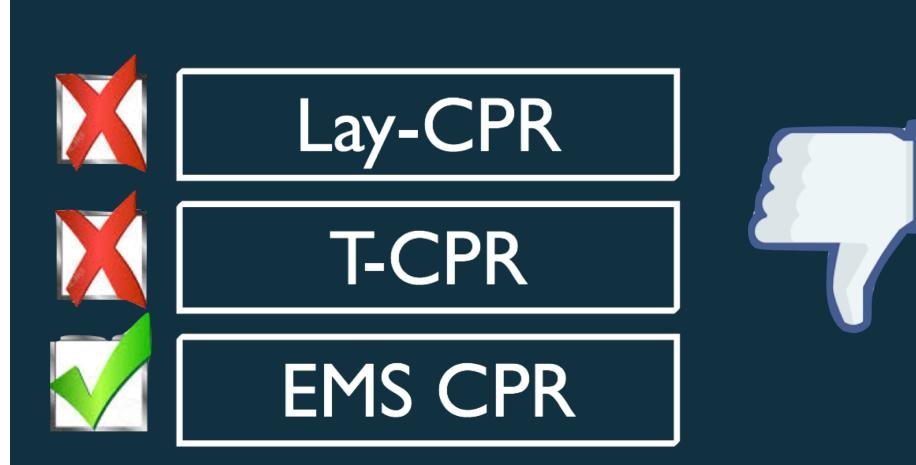
T-CPR PERFORMANCE MEASURES

- 1. Percentage of OHCA cases correctly identified by PSAP (Goal 75%)
- 2. Percentage of OHCA cases correctly identified by PSAP that were recognizable (Goal 95%)
- 3. Percentage of call-taker recognized OHCA receiving T-CPR (Goal 75%)
- Median Time Between 911 Call and OHCA Recognition (Benchmark < 120 sec)
- 5. Median Time Between 911 Call and First T-CPR Directed Compression (Benchmark < 180 sec)

The 911 Call Lay Person and T-CPR

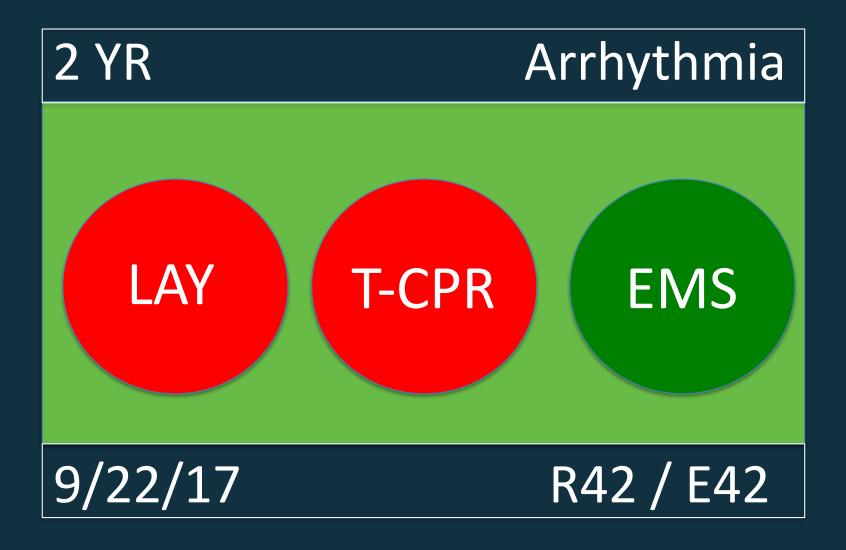


HOW IT ALL ADDS UP



=

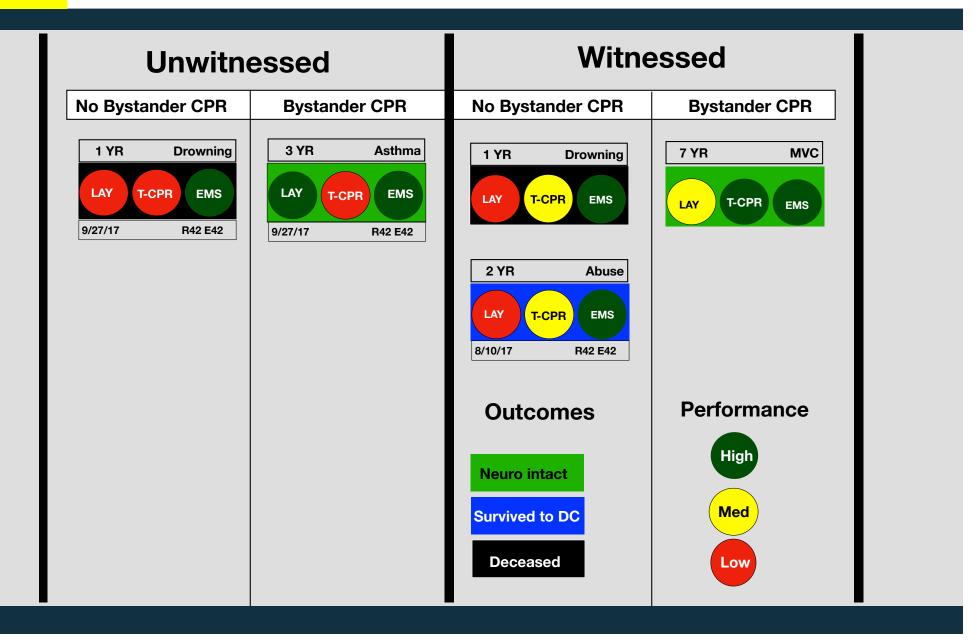
WITNESSED NO BYSTANDER



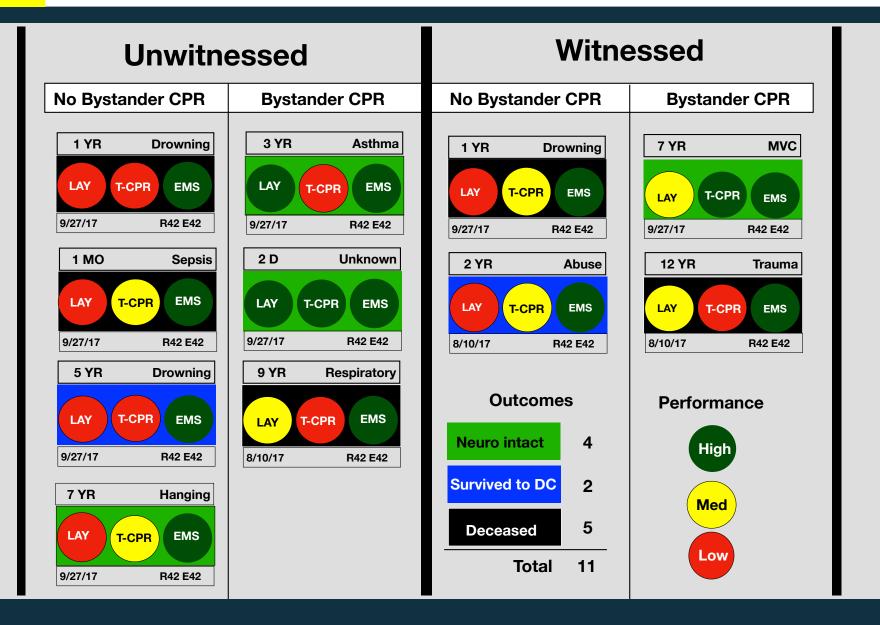
VISION FOR THE FUTURE

| Unwitnessed | | Witnessed | |
|------------------|-----------------|--|---------------|
| No Bystander CPR | Bystander CPR | No Bystander CPR | Bystander CPR |
| 1 YR Drowning | 3 YR Asthma | 1 YR Drowning | 7 YR MVC |
| 9/27/17 R42 E42 | 9/27/17 R42 E42 | 2 YR Abuse 8/10/17 R42 E42 | |
| | | Outcomes Neuro intact Survived to DC Deceased | |

VISION FOR THE FUTURE



VISION FOR THE FUTURE







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