



Enhanced Public Safety CPR & AED Intervention

CITY COUNCIL PRESENTATION

MAY 15, 2023



Discussion Objectives

- Public Safety Collaborative Teamwork
- Chain of Survival for CPR Patients
- Implementation Date
- Enhanced Patient Outcomes



Partnership

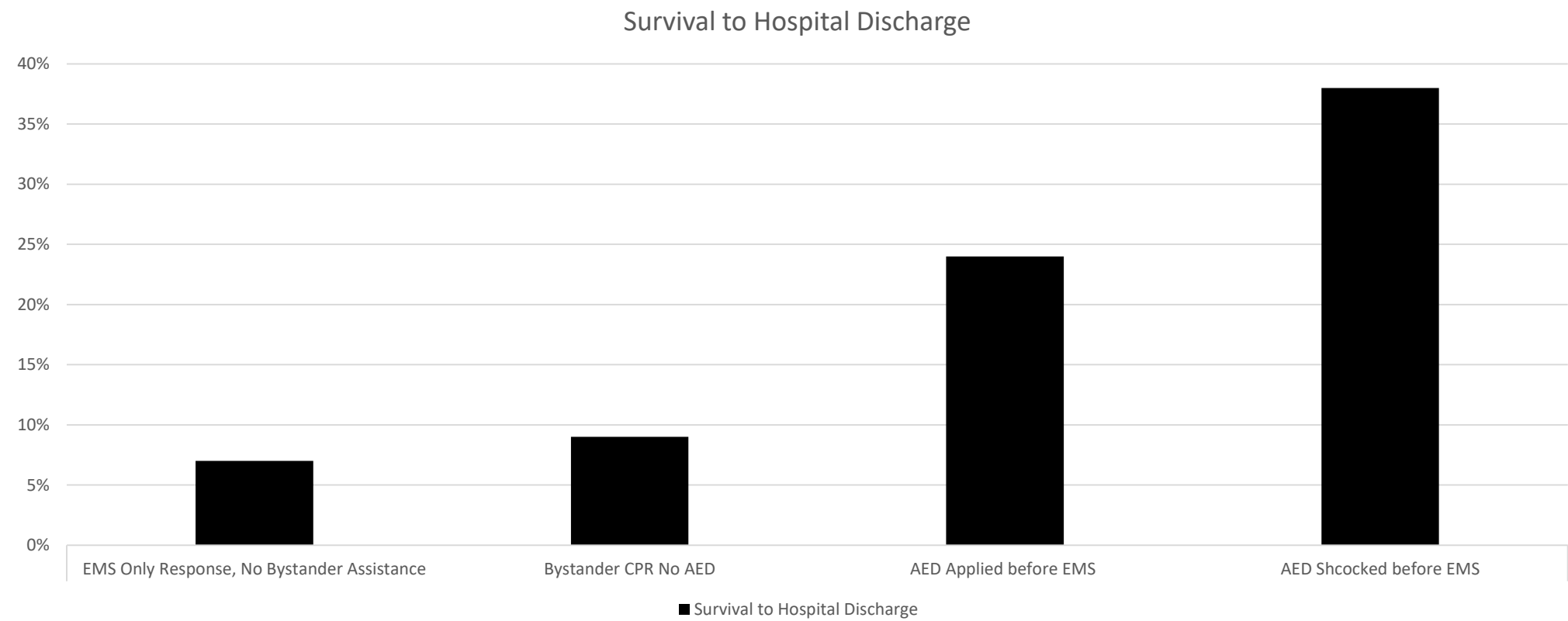
The Chain of Survival

What we do know is that successful treatment of cardiac arrest, and particularly ventricular fibrillation, is associated with an EMS system's ability to deliver care quickly. The chain of survival, with its five links of early access, early CPR, early defibrillation, early advanced care, and early post resuscitative care illustrates the most critical elements of addressing sudden cardiac arrest.



Out-of-Hospital Chain of Survival

Data: Survival After Application of Automatic External Defibrillators Before Arrival of the Emergency Medical System



CPR Scenarios

WEISFELDT, M. L., SITLANI, C. M., ORNATO, J. P., REA, T., AUFDERHEIDE, T. P., DAVIS, D., DREYER, J., HESS, E. P., JUI, J., MALONEY, J., SOPKO, G., POWELL, J., NICHOL, G., & MORRISON, L. J. (2010). SURVIVAL AFTER APPLICATION OF AUTOMATIC EXTERNAL DEFIBRILLATORS BEFORE ARRIVAL OF THE EMERGENCY MEDICAL SYSTEM. JOURNAL OF THE AMERICAN COLLEGE OF CARDIOLOGY, 55(16), 1713–1720. [HTTPS://DOI.ORG/10.1016/J.JACC.2009.11.077](https://doi.org/10.1016/j.jacc.2009.11.077)



Burleson Centric Enhancements

- **Public Safety Communications**
 - Emergency Medical Dispatch (EMD)
 - Phoenix G-2 Alerting System Rapid Dispatch
 - Rapid dispatch of the closest appropriate resources
- **Police Department**
 - Dr. Cordova CPR Training
 - Deployment of 10 AED's for Patrol
 - Rapid Response Model
- **Fire / EMS Department**
 - Fire Based EMS Transport
 - Advance Care Rapid Deployment
 - Rapid Transport

Next Steps

- Burleson Fire/EMS will provide initial and annual ongoing CPR / AED Protocol training to Burleson Police Officers through EMS Medical Director.
- Purchased 22 new ZOLL AED's with ARPA funding in 2022
- Deploy 10 of the new ZOLL AEDs to on-duty Patrol Cars and be live by August 2023
- Provide updated training for all City Employees for CPR/AED use over the next year.
- Work with facilities to identify gaps in current AED coverage and identify funding sources for additional AEDs and ongoing supplies.





July – Aug 2023





Public Safety Partnerships

Saves Lives!



Questions Comments