




**County of Contra Costa  
EMERGENCY MEDICAL SERVICES  
Memorandum**

**DATE:** December 12, 2017

**To:** Contra Costa County Pre-hospital First Responders, EMS Providers and Acute Care Receiving Facilities

**FROM:** Dr. David Goldstein, EMS Medical Director 

**Cc:** Patricia Frost, EMS Director

**SUBJECT:** **CPR Highly Defined (CPR – HD) Pilot Study (17-CLN-005)**

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The EMS Agency has recently approved a pre-hospital CPR management pilot study entitled CPR Highly Defined or CPR-HD. This study will be administered by AMR Contra Costa and in cooperation with the Contra Costa County Fire Protection District (CCCFPD) and the East Contra Costa Fire Protection District (ECCFPD). The pilot study medical/quality review will be conducted in collaboration with Dr. Peter Benson (CCCFPD/ECCFPD) and Dr. Gene Hern (AMR).

The purpose of this study is to demonstrate and evaluate how a structured and standardized approach to cardiac arrest management impacts patient care/outcome and prehospital provider safety.

While CPR-HD will utilize the 2018 Contra Costa County EMS treatment guidelines as a foundation for cardiac arrest management, providers should anticipate a more structured, time-driven resuscitation effort. In addition, and while under direct paramedic oversight, EMT level providers may be asked to ‘charge the paramedic defibrillator’ but NOT discharge the defibrillator during resuscitation efforts. This skill is allowed within Title 22 and recently confirmed with the CA EMS Authority (EMSA).

The pre-hospital personnel involved in this effort include:

- All ECCFPD First Responders;
- CCCFPD Engine 69 and Engine 70 First Responders; and
- Select AMR Field Personnel (to include a mix of FTOs/Field Personnel).

Providers who are not a part of this study, but who participate in cardiac arrest management efforts with any of the providers listed above, are asked to kindly follow the direction of the CPR-HD trained personnel.

This study is scheduled last for six (6) months, beginning on January 1, 2018 and ending on June 30, 2018. For additional information, please see the attached FAQ sheet.

Questions concerning this change should be referred to Jesse Allured, EMS Program Coordinator, at (925)646-4690 or via e-mail at [Jesse.Allured@hsd.cccounty.us](mailto:Jesse.Allured@hsd.cccounty.us).

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## CPR-HD Frequently Asked Questions

- **What is CPR-HD (Highly Defined)?**
  - CPR-HD is a Cardiac Arrest Management technique that provides highly choreographed time driven prompts for management of cardiac arrest.
- **When does this small test of change start? End?**
  - The CPR-HD small test of change begins January 1, 2018 and will end on June 30, 2018. There will be a quarterly review in April, 2018 and a final summary in July, 2018.
- **What is the main purpose/objective of the HD small test of change?**
  - The main objective of the small test of change is to facilitate a uniformed approach to Cardiac Arrest Management for all providers and in doing so, increase the Cardiac Arrest Survival rate and assure Responder Safety.
- **How many provide agencies are involved in the HD small test of change?**
  - 3 Agencies have been selected to participate in the small test of change (AMR Contra Costa County, Contra Costa County Fire Protection District [CCCFPD], and East Contra Costa Fire Protection District [ECCFPD]).
  - There will be 12 crews from AMR Contra Costa County, Engines 69 and 70 from CCCFPD, and all responders from the ECCFPD.
- **Where can I find additional information?**
  - Evidence literature is available on request. For specific questions related to this initiative, please contact Joanny All at Joanny.all@amr.net and/or Chief Rick Stephenson at rstep@cccfd.org.
- **Will this be rolled out to all providers eventually?**
  - County wide roll out will be dependent on the data that is received and processed.