

# mCPR in Memphis

Joe Holley, MD  
Medical Director

# My World

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30 EMS agencies

- 26 ALS
- 2 BLS
- 2 First Responder

5000 EMS personnel

2015

- Annual EMS call volume:  
150,000
- # cardiac arrests:  $\approx$ 500

Resuscitation protocol

- Manual CPR with ITD
- Mechanical CPR with an ITD
- ResQCPR

# Memphis Lucas Update

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1455 patients

919 (63.1%) received LUCAS, compared to 536 receiving manual CPR

On average, it took EMS 2 minutes and 12 seconds longer from arrival to the scene to departure from the scene when LUCAS CPR was used  
This difference makes the turnaround time 10% greater when LUCAS is used

ROSC Rates are currently 31.4%

# Impact of ResQCPR

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## Collierville (TN) Data for 110 patients

- Pre-ResQCPR
  - Jan 2014 – Jul 2015: 17/66 (25.7%)
- With ResQCPR
  - Aug 2015 – Feb 2016: 18/43 (41.8%)
- 62.5% improvement in ROSC with ResQCPR
  
- 47.1% Neurologically intact