Beyond Par with PULSARA:
Streamlining STEMI and Stroke Activation

E. Stein Bronsky, MD
Chief Medical Director, Colorado Springs Fire Department
Medical Director, El Paso County, CO AMR
Healthcare has been communicating the same way for decades. That changes now.

IT'S ABOUT TIME
What problem are you trying to solve?

- ECG Transmission?
- EMS to ED Communication?
- Hospital Communication?
- Regional Communication?
- Feedback?
- Documentation?
- Bypass?
Communication

Prehospital

Inter-Facility

Intra-Facility

pulsara
SILOED TEAMS
COMMUNICATION
STANDARD

Operationalize best practice protocols
Simplify
Standardize
Unite

ONE

COMMUNICATION
STANDARD

Prehospital
Intra-Facility
Inter-Facility
Challenges

Change me!
AND THEN THE TEACHER SAID

YOU MAY TAKE NOTES
Challenges

- 48 EMS agencies
- Four major hospitals
- Admission of imperfection from hospital service lines
- Competition
Where to Start

Community agreement on key concepts:
- Creating an environment of collaboration
- Getting all EMS agencies and hospitals on the same page

All or nothing; EMS led (Antevy Style)

Strategy: Make the hospitals believe it was their idea!
- They have to buy it
Hospitals

- Financial ownership
- Service line buy in
- Administrative ownership
- IT services

- All hospitals online same day!
EMS

- Technology fixes
- Training an army
- 19 agencies live on same day!
Pulsara STEMI EMS Activation

- **July**: 88% (PH), 0% (SFMC)
- **August**: 71% (PH), 50% (SFMC)
- **Sept.**: 100% (PH), 100% (SFMC)

Legend: PH, SFMC
Pulsara CVA EMS Activation

PSF

- July: 75%
- August: 88%
- Sept.: 96%
Benefits

Emergency Departments

- Pre-register patient information
- Monitor patient status in care process
- Monitor arrival time
  - Using GPS to augment human and equipment utilization
- Facilitates EMS bypass to CT/cath lab
Benefits

Neurosciences (CVA)

- See patient in field
- Improves efficiency of personnel and equipment
- Improves patient flow
- Decreases time to CT and intervention
Mean Door to CT Times
Benefits

Interventional Cardiology

- Interventionalist sees EKG
- Decrease ED time or bypass ED to cath lab
- Decreased curb to wire time
Benefits to EMS

Emergency Departments

- Minimal to no cost
- Eradication of EMS-Hospital discrepancies
- Easy to use
  - Little resistance
- Immediate follow-up feedback
Patient Benefits

Simply…

faster and more efficient care
Future Roadmap

- General alerts (Now)
- Other Time Sensitive Emergencies
  - Trauma, Sepsis, Cardiac Arrest
- Hospital transfer
- Live video conferencing
- Integration into ePCRs
Contacts

Pulsara

877-903-5642
Help@pulsara.com

Stein Bronsky, MD

ebronsky@springsgov.com