


Beyond Par with PULSARA:

Streamlining STEMI and Stroke Activation

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Healthcare has been communicating the same way for decades. That changes now.

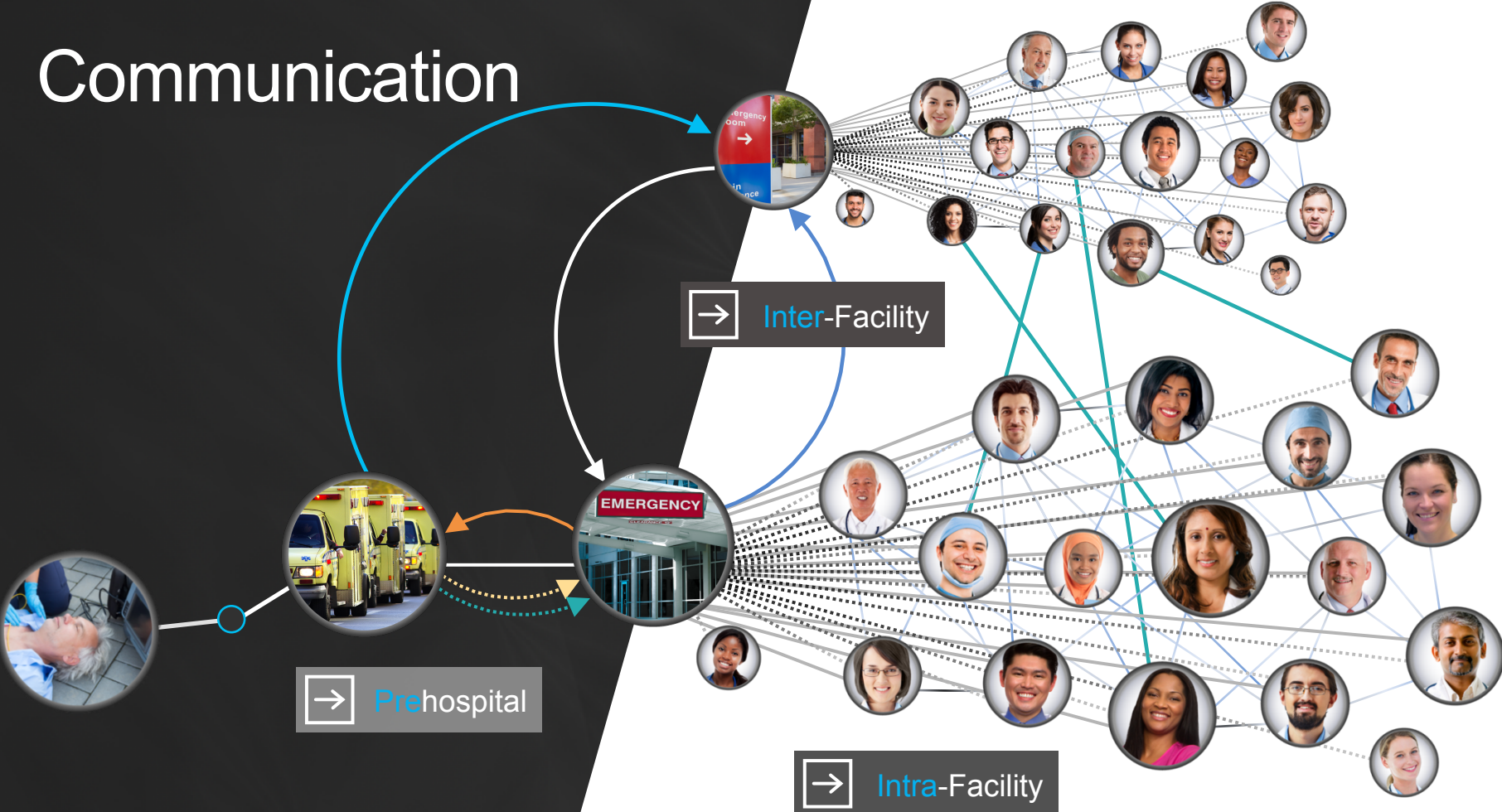
IT'S ABOUT **TIME**

What problem are you trying to solve?

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



Communication



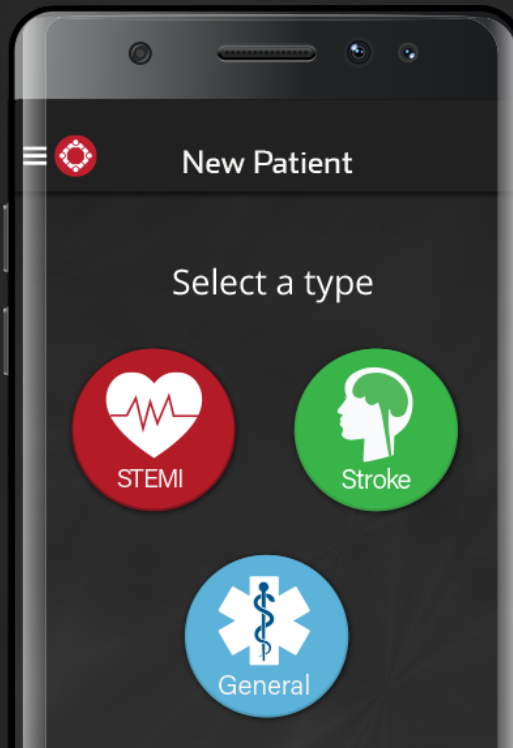
SILOED TEAMS





pulsara

ONE COMMUNICATION STANDARD



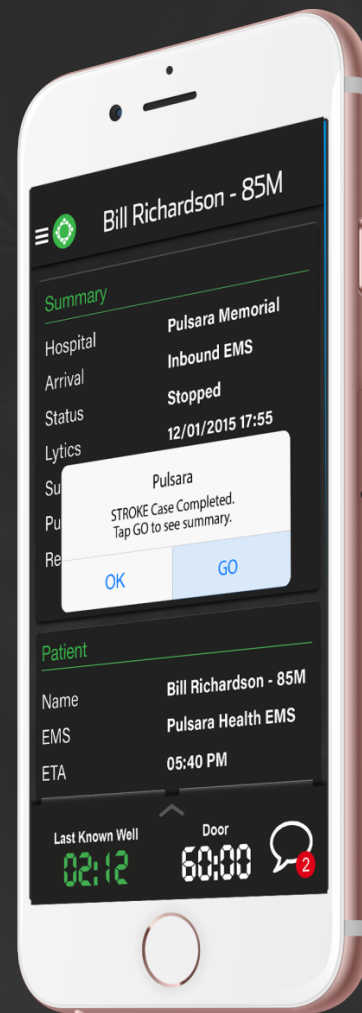
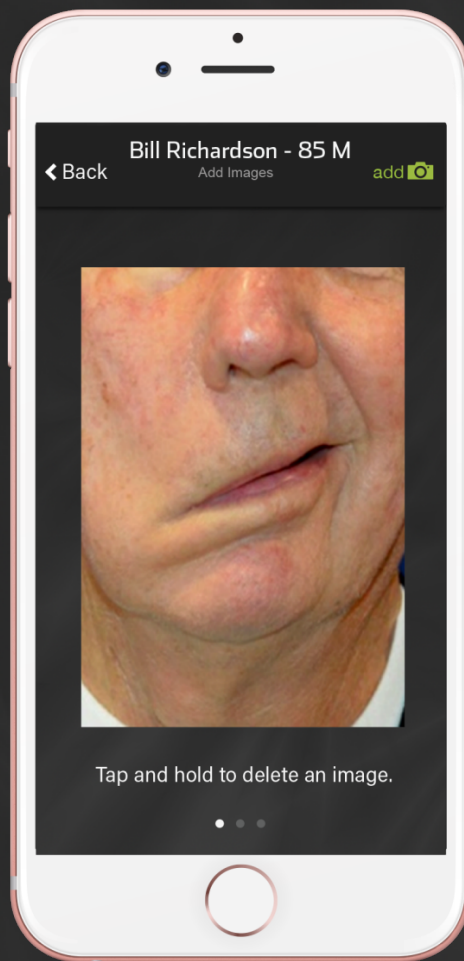
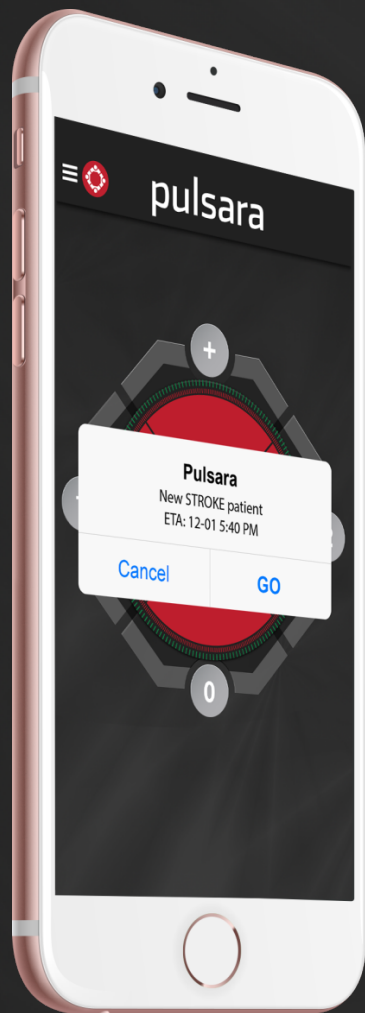
📌 Operationalize best practice protocols

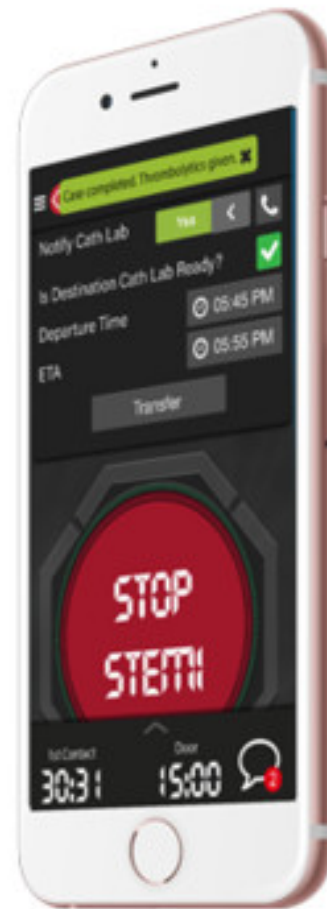
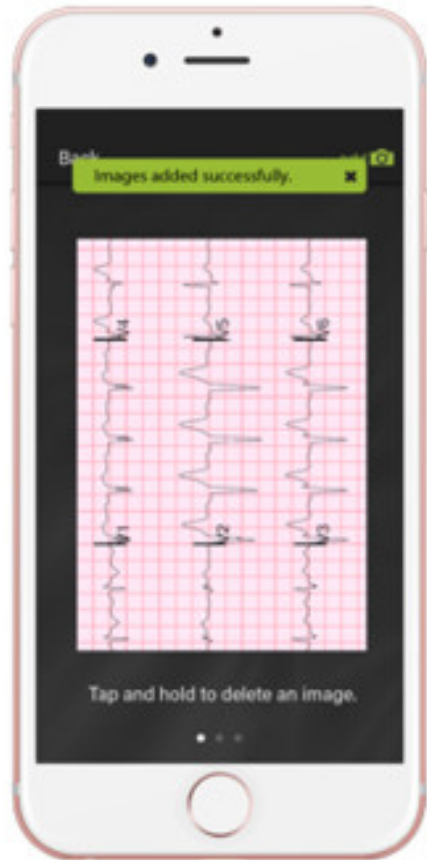
📌 Simplify

📌 Standardize

📌 Unite

- Prehospital
- Intra-Facility
- Inter-Facility



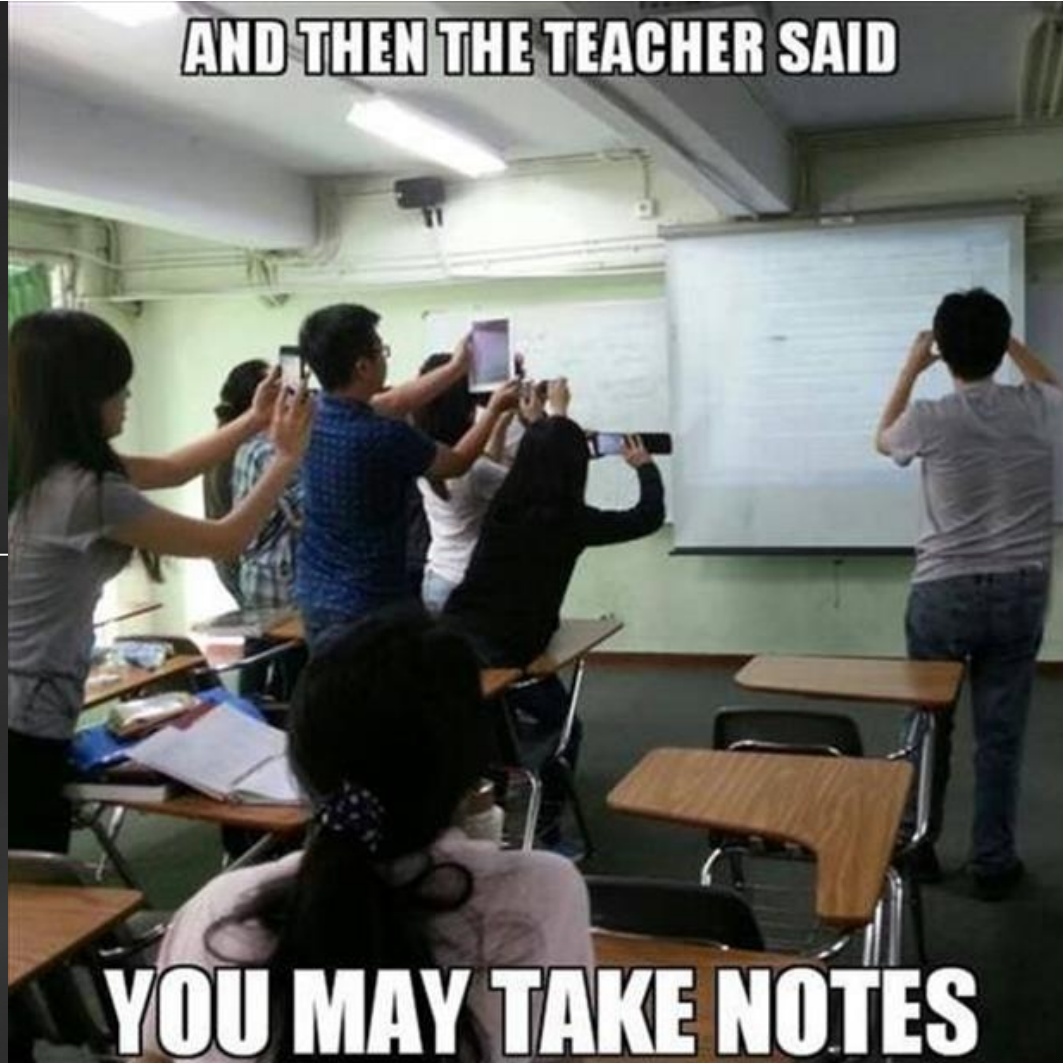


Challenges

► **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 there idea!
 - ▶ They have to buy it

Hospitals

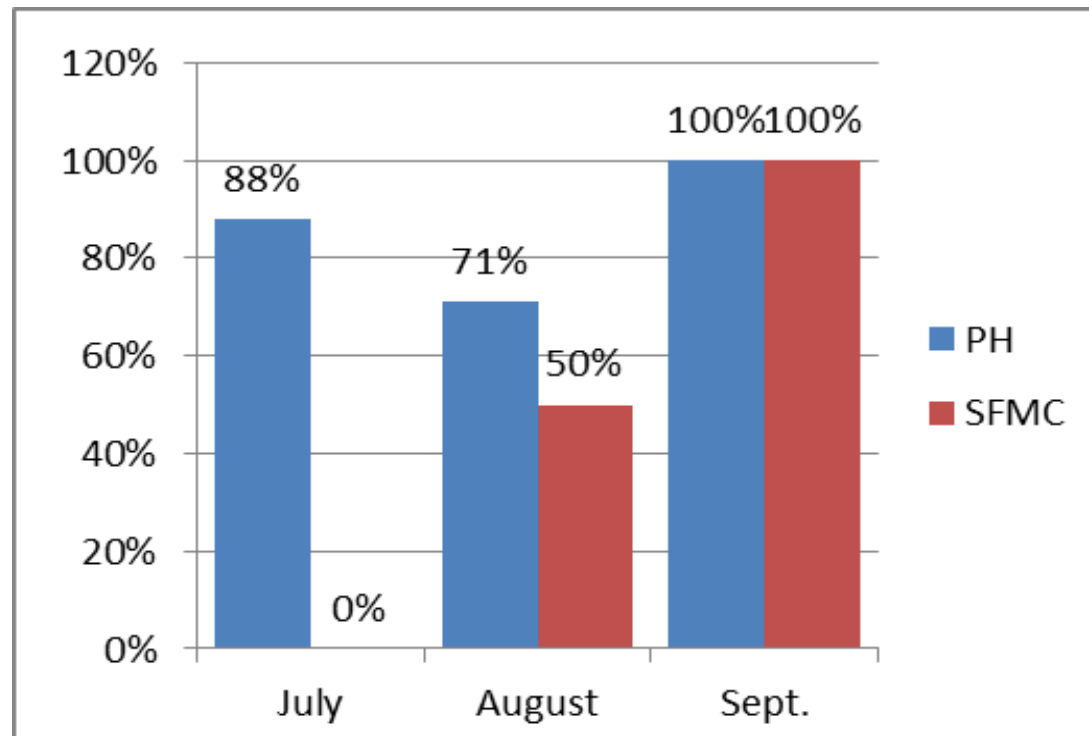
- ▶ Financial ownership
 - ▶ Service line buy in
 - ▶ Administrative ownership
 - ▶ IT services
-
- ▶ All hospitals online same day!

EMS

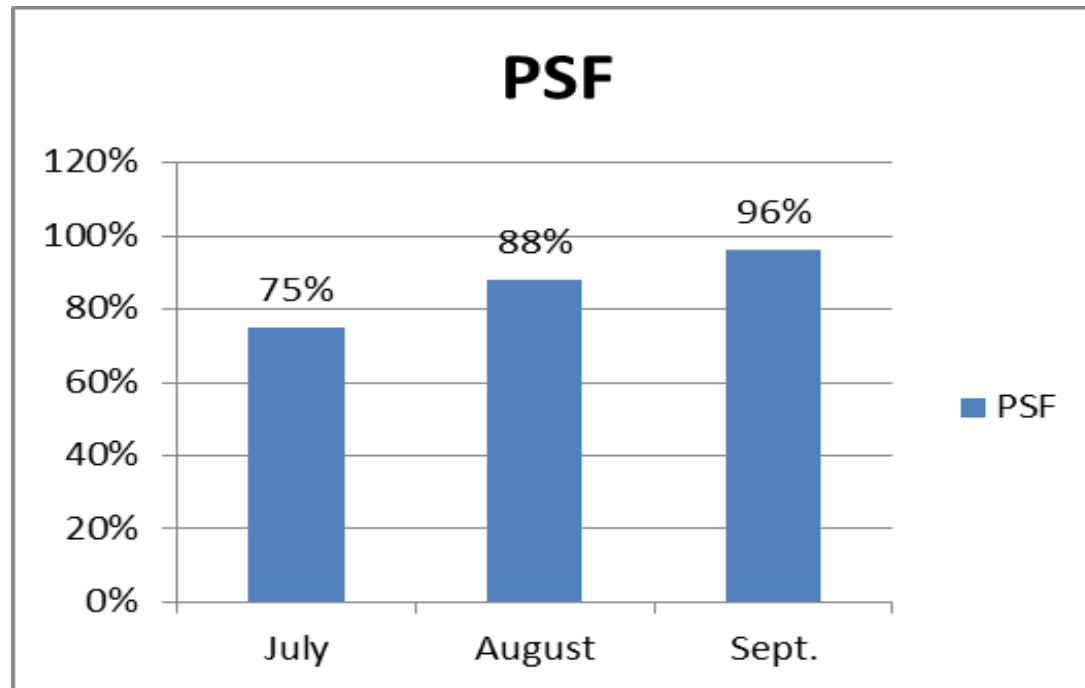
- ▶ Technology fixes
- ▶ Training an army
- ▶ 19 agencies live on same day!



Pulsara STEMI EMS Activation



Pulsara CVA EMS Activation





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

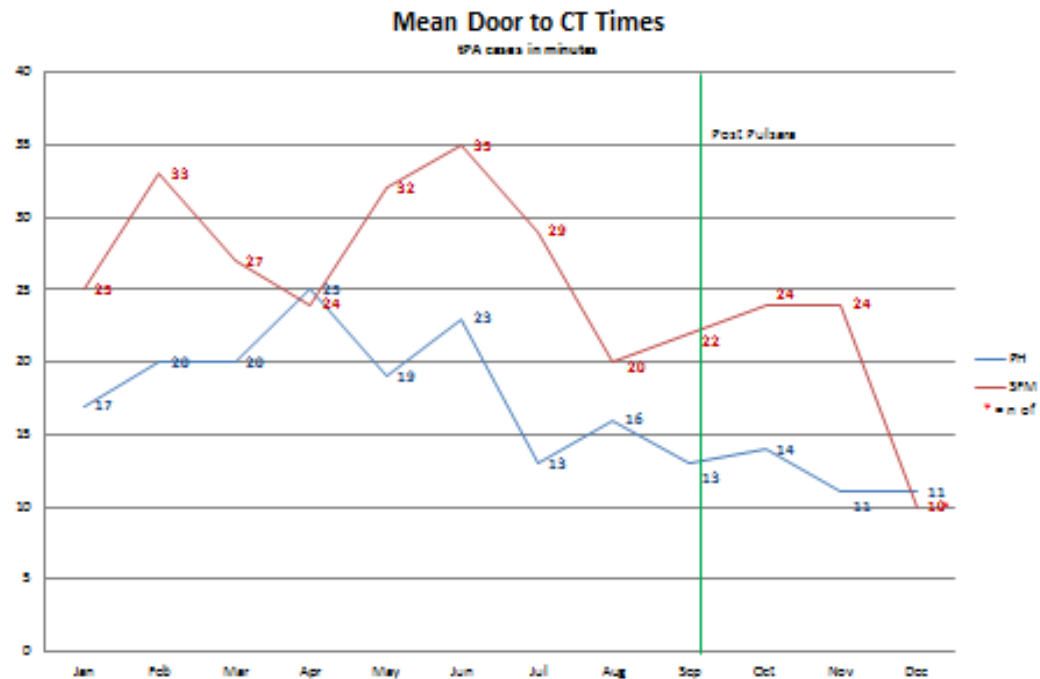
Benefits

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

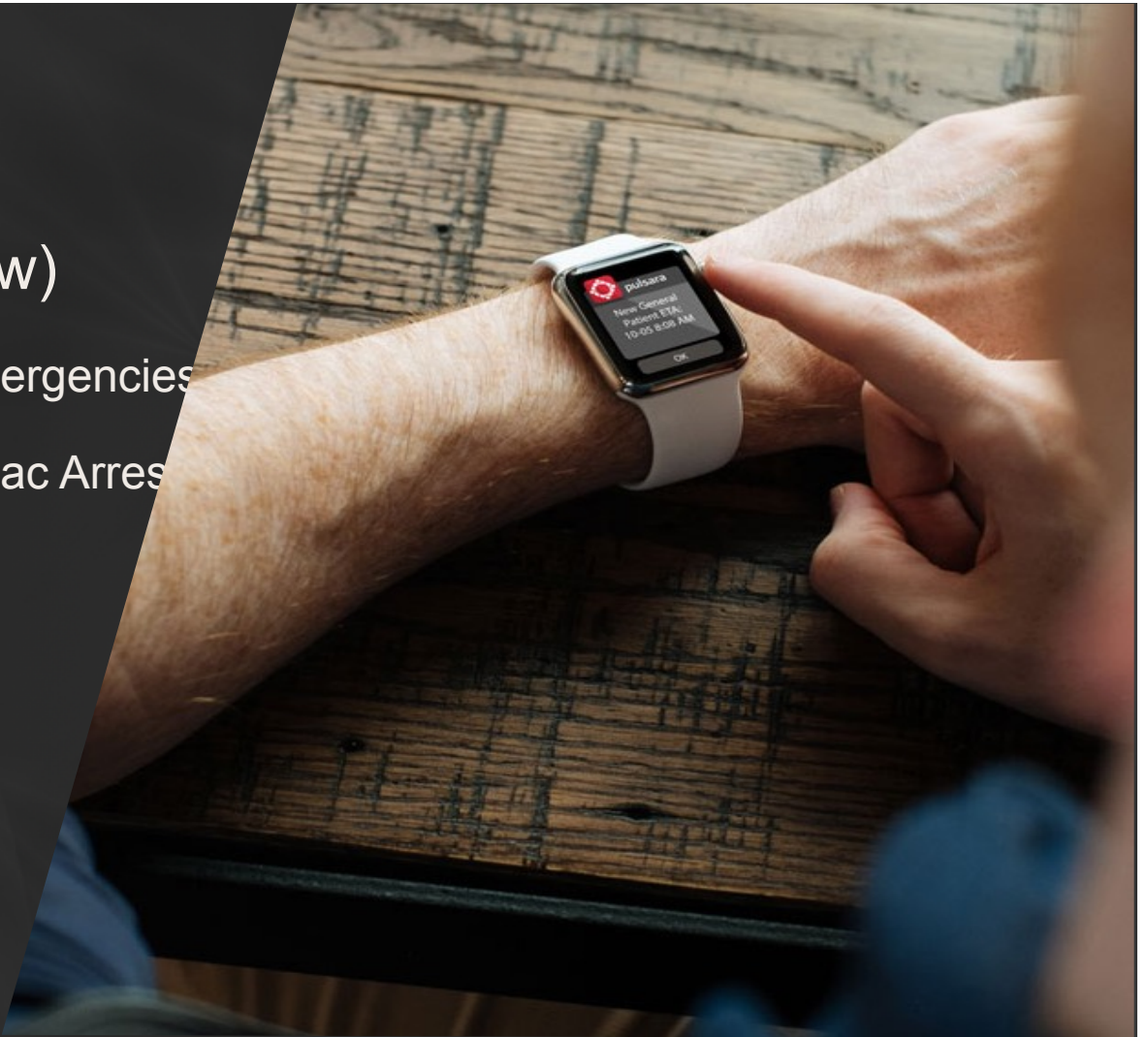
Patient Benefits

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

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