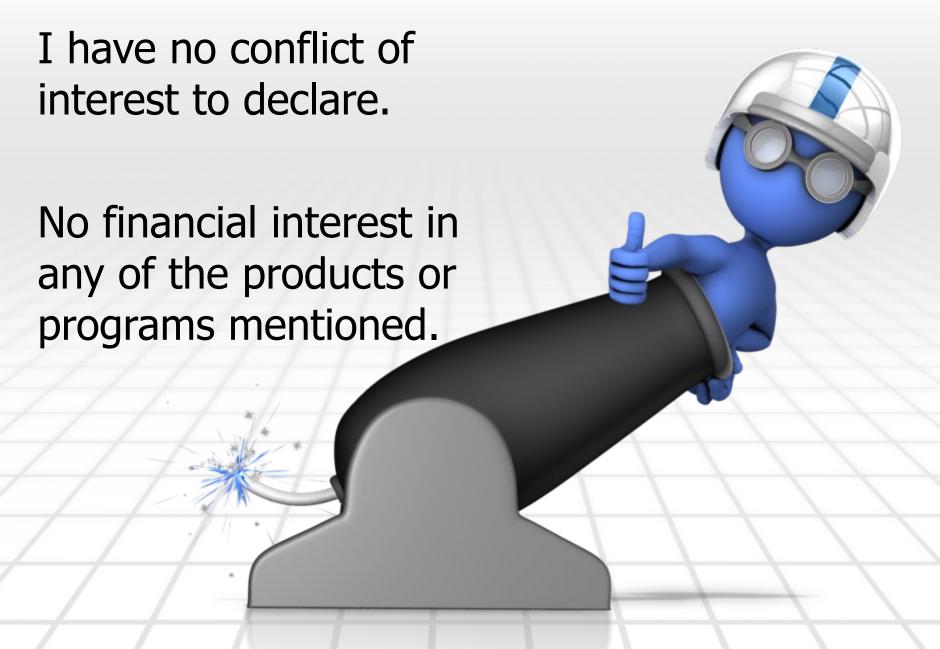


THE VALUE OF COMMUNICATION

EMResource and EMTrack

Conflict of Interest



Funding and Implementation











WMRMCC Participants

Population of 1,709,206 (17% of state)

- 13 Medical Control Authorities
- 20 Ambulance Services
- **202 ALS Transport units**
- 26 Hospitals

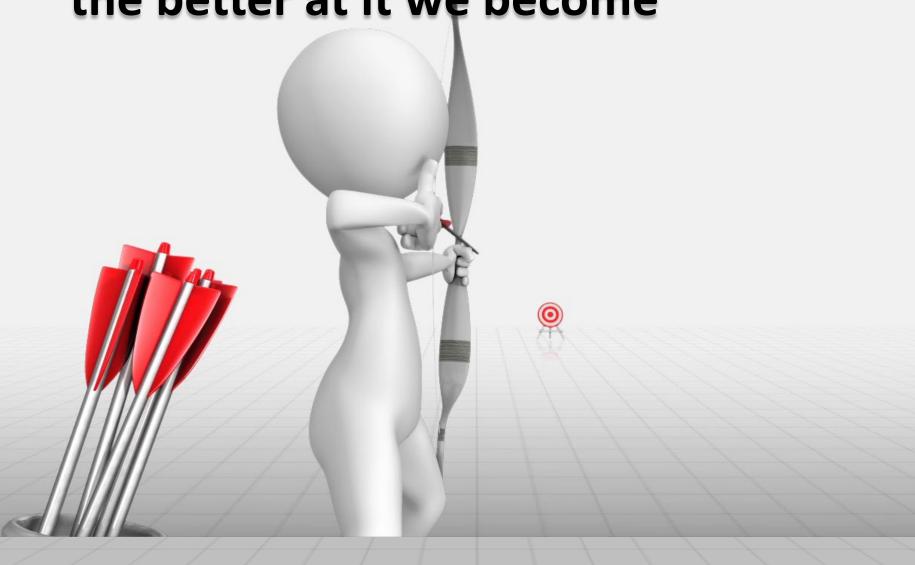
What wasn't working during MCI's?

Communications and Process Changes



- Portable radio coverage
- Channel changes
- Checklists
- Broad Situational Awareness
- **EOC** access to information
- Misinformation and conflicting reports to hospitals

The more often we do something, the better at it we become



Practice + Easy Process = Success



Every day I tie my shoes.

I have practiced for years and the process is simple with a clearly defined goal.

Tying my shoes in a crowd is no more difficult, nor is tying them in the dark....

Other than taking more time, tying 100 pairs of shoes is no great feat...

Why do we miss the target?



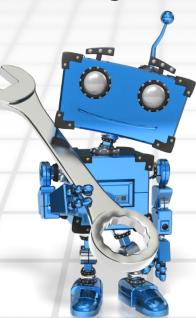
Changing the way we do things when bad things happen.

- Expecting people to function well at something they seldom do.....
- Tracking Patients with a program we never use
- Creating events
- Expecting computers to work after sitting in a closet waiting for the MCI

New Approach

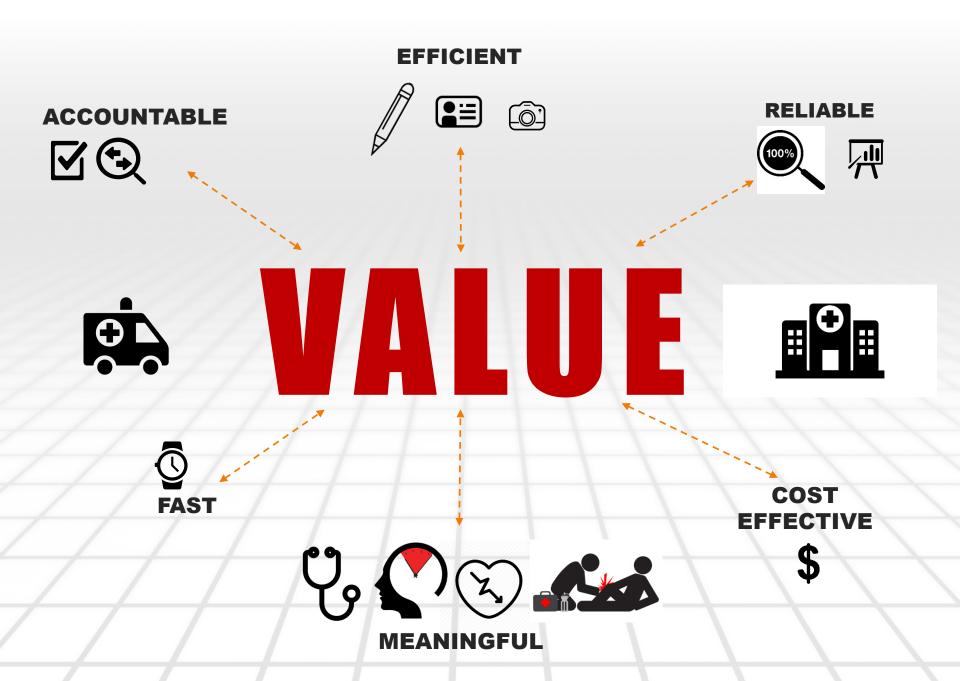
Problem

- Lack of familiarity
- Computer updates
- Too busy on scene
- Passwords: expire and forget
- Reliability
- Buy in
- Bad press



Solution

- Use for Every Patient
- Use Every Day
- Data entry at departure
- Eliminate Passwords
- Fix fail points
- Increase VALUE
- Increase Reliability and Value



Not the Old EMSystem

OLD

- MCI focus
- Not meant for daily use
- Needed to create MCI events
- Triage tags expense
- Users access complicated
- No two-way messaging
- No diversion without creating a new record
- No pictures or scan a license
- Not HIPAA compliant
- Slow refresh rates
- DOS screens
- Timeouts
- Local install for upgrades
- No mobile app

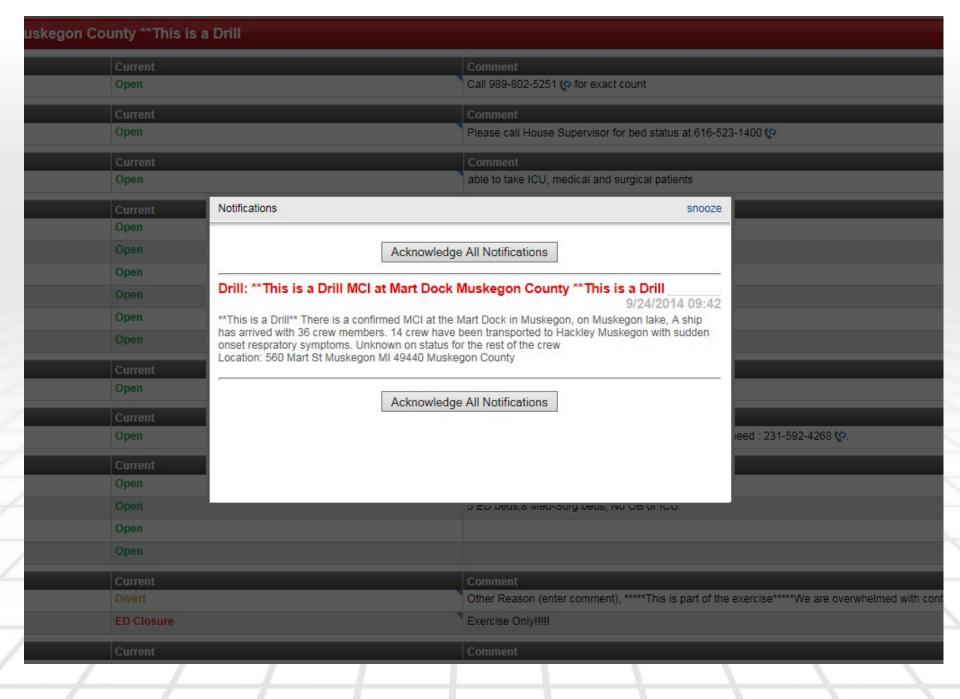
NEW

Fixed everything on the other list



E	ED Class Counts	Current	
		Current	
9	Mid-Michigan Med CtrClare	Open	
=	ED - Ionia County	Current	
MResource ▼ Setup on Default	Sparrow Ionia Hospital	Open	Al ser
D - Clare County id-Michigan Med	ED - Isabella County	Current	Las
- Ionia County arrow Ionia Hos - Isabella Coun	McLaren Central Michigan Hospital	Open	Las 03 (
d-Michigan Medi	Mid-Michigan Medical Center Mt Pleasant	Open	14 N
O - Kent County ercy Health South ercy Health St. M	ED - Kent County	Current	14 14
	Mercy Health Southwest Campus	Open	14 14 14
Dectrum Helen De	Mercy Health St. Mary's Main Campus	Open	14 La 14
D - Mecosta Coun pectrum Health -	Metro Health Hospital	Open	La 14
D - Montcalm Cot neridan Commun parrow Carson Ci	Spectrum Health - Blodgett Hospital	Open	La 07 14
Dectrum Health K Dectrum Health U D - Muskegon Co	Spectrum Health - Butterworth Hospital	Open	14 14
ercy Health Merc	Spectrum Helen DeVos Children's Hospital	Open	14 13
pectrum Health G D - Oceana Count lercy Health Lake:	ED - Mason County	Current	14 La 14
· ·	Spectrum Health - Ludington Hospital	Open	
E	ED - Mecosta County	Current	
6	Spectrum Health - Big Rapids Hospital	Open	

Action	Icon	Event Template 🔺	
Create	8	Hepatitis A Outbreak: Hospital Response	
Create	ি	HHS Situational Assessment	
Create		Hourly Update	
Create	8	Influenza Like Illness Data Collection	
Create	22	KENT COUNTY - AIRPORT ALERT	
Create	=	LTC Bed Availability	
Create	ଜ	LTC Equipment Availability	
Create	la l	Michigan HAvBED 4.0	
Create	i=	Pediatric Census	
Create	•	PPE Inventory	
Create	\triangle	R6 MCC Activation	
Create	♦	Region 6 - HAZMAT ALERT	
Create		Region 6 - Hospital and EMS Announcement	
Create		Region 6 - LTC Announcement	
Create	å	Region 6 - MCI Incident	
Create	=	Test Template	
			_



EMResource Process

- Bad thing happens
- EMS notified and responding
- EMResource Event Created by Dispatch or Life EMS
- Alert goes off on web, email, phones
- Hospitals enter a bed poll & EMS updates available unit #



One Action

A single event creation, taking less than one-minute, results in:

- 50 status updates from EMS and hospitals
- Notification of approximately 100 regional key personnel



EMResource

- MCI Alerts
- Bed Polling
- Open and Close
- Resource queries
- Diversion logging
- Inbound patient notifications through EMTrack
- Communication with inbound EMS





EMTrack

	JVAR	
	EMTrack	
Password		PIN
Username		
Password		

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EMTrack

	Enterpris	VA se resilience s		
P:	assword	EMTrack	PIN	
Username				
Password				

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EMTrack

Password PIN

Username

amr200

PIN

PIN

By proceeding, you agree to Juvare's Privacy Policy and Terms & Conditions.

Forgot Username?

Forgot Password?

Log In

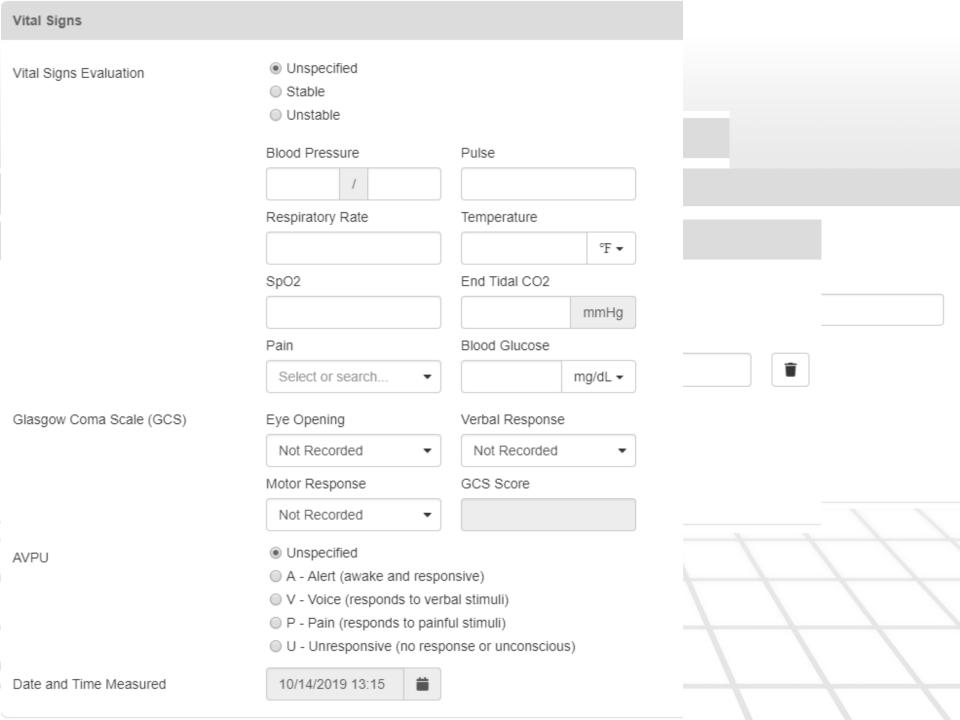
Need Help?

EMTrack – EMS Screen

Select the form template to use

Select Form to Add Patient

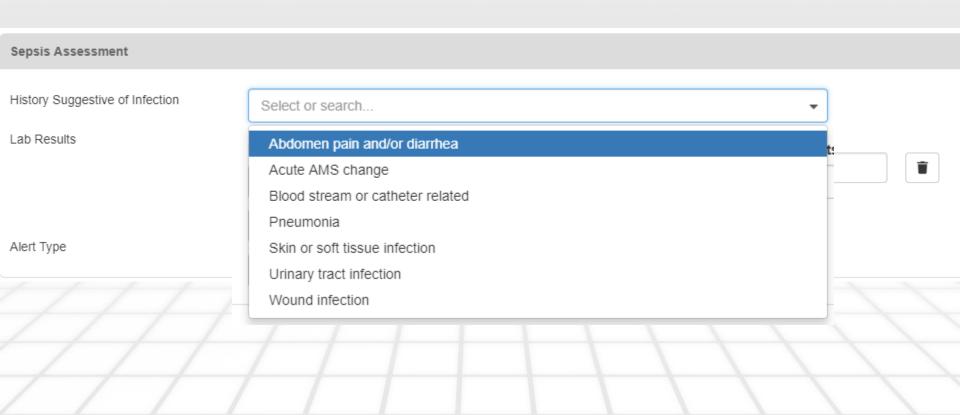
- * General Patient
- Sepsis Assessment
- ◆ STEMI Assessment
- **Stroke Assessment CPSS**
- Stroke Assessment LAMS
- ◀▼ Trauma Assessment



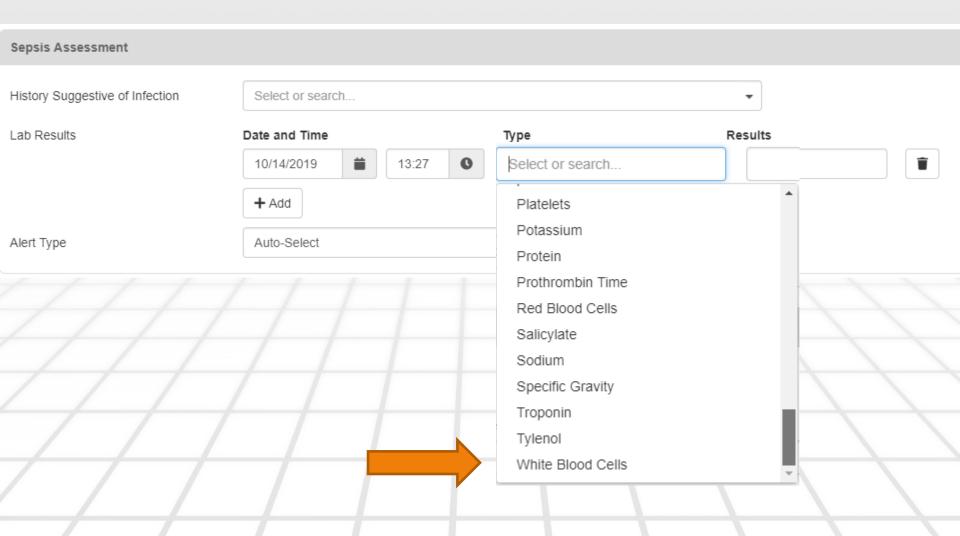
Transport				
Destination Location *	Select or search ▼			
Provider	Select or search ▼			
Unit	Select or search ▼			
ETA (mins) *				

Reset Save

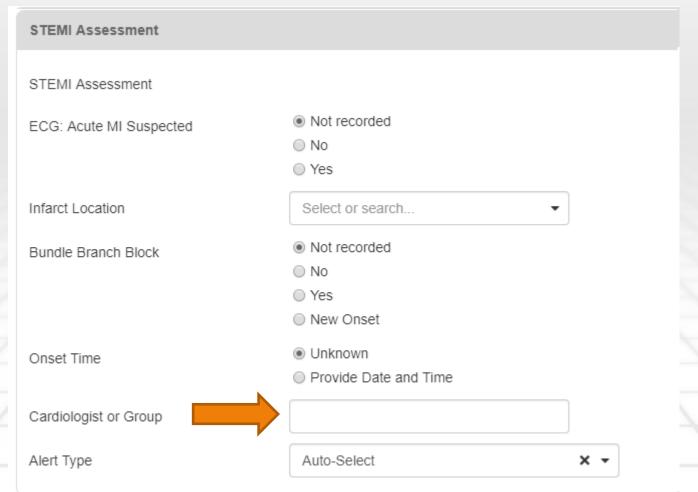
Sepsis



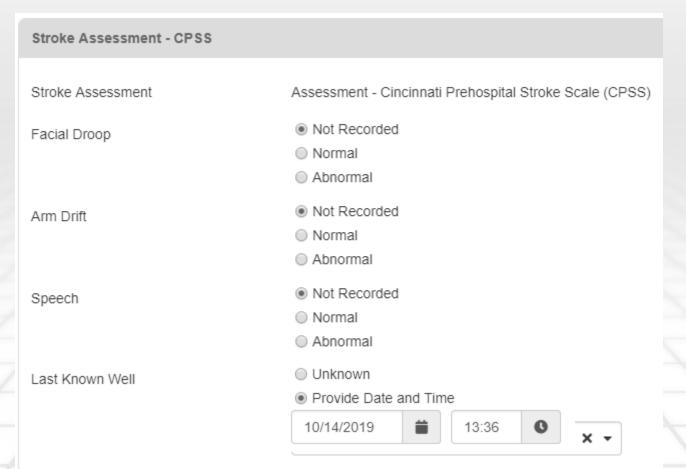
Sepsis



STEMI



Stroke - CPSS



Stroke - LAMS

Stroke Assessment - LAMS	
Stroke Assessment	Assessment - Los Angeles Motor Scale (LAMS)
Facial Droop	Not Recorded
	O Absent (0)
	O Present (+1)
Arm Drift	Not Recorded
	O Absent (0)
	O Drifts down (+1)
	Falls rapidly (+2)
Grip	Not Recorded
	O Normal (0)
	Weak grip (+1)
	O No grip (+2)
LAMS Score	0 points
Last Known Well	Unknown
	Provide Date and Time
Alert Type	Auto-Select x ▼

Trauma

Mechanism of Injury Not Recorded Select from List Fall Adult: >20 feet (on average, one floor of a building equals 10 feet) Child: >10 feet or two - three times the child's height High-Risk Auto Crash Intrusion, including roof: >12 inches at occupant site or >18 inches anywhere Ejection (partial or complete) from auto Death in same passenger compartment Vehicle telemetry data consistent with high risk of injury Auto vs pedestrian or bicyclist: thrown or run over with significant impact (>20 mph)

Motorcycle or recreational vehicle crash (>20 mph)

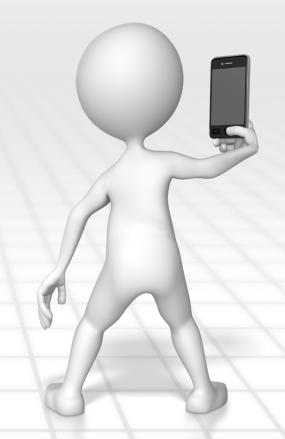
None Apply

Trauma

Special Considerations Not Recorded Select from List Age Older adult (risk of injury or death increases after age 55) Child (triage preferentially to pediatric-capable trauma center) Burns Without trauma mechanism (triage preferentially to burn facility) With trauma mechanism (triage preferentially to trauma center) Other Anticoagulation or bleeding disorder Time-sensitive extremity injury End-stage renal disease (requiring dialysis) Pregnancy >20 weeks EMS provider judgment None Apply

EMTrack - Mobile

- Scan a driver's license
- Take pictures
 - HIPAA Safe
 - 12 leads
 - Stroke assessment
 - Vehicles
 - Labs
 - X-Rays



DOES NOT STAY ON PHONE

Hospital Alert

When an alert is received, you will hear an audible, repetative horn sound in EMResource®. An orange bar will appear across the bottom of the screen in both EMResource® and EMTrack®.

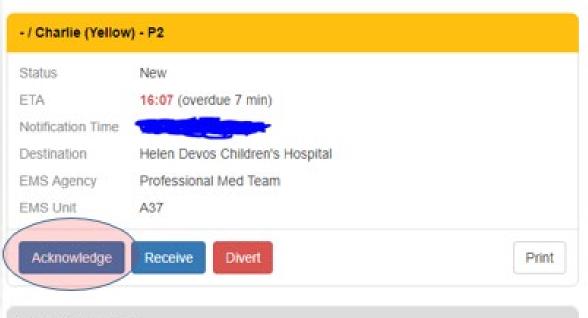
1 Incoming Patient Update View List »

Hospital List

Regio	nal - All Hosp [Patient Total:6]				
	Provider Evaluation	Age	Gen	Destination Loc	ETA
Ф	Oharlie (Yellow) - P2 - Altered Mental Status, conf			Spectrum - Butter	Overdue
Ð	Alpha (Green) - P3 Triage OK - Traumatic injury,			Spectrum - Butter	Overdue
Θ	Oharlie (Yellow) - P2 - Hypertension			Spectrum - Butter	Overdue
Θ	O Delta (Yellow) - P2 - Call Rprt - Chest Pain (non-tr	60+	Male		8m
Θ	Oharlie (Yellow) - P2 - GI - Illness (Diarrhea), amr			Spectrum - Butter	Overdue
Θ	Bravo (Green) - P3 - Chest Injury			Metro Heam noc.	3m

List shows new patient

Incoming Patient Details: 452542dc-9209-4dc6-bceb-8cf7930ee2f2





> Patient Details - Contains PHI (click to view)

Type your me:	ssage	
Send		

Vital Signs	
Evaluation	Stable
Blood Pressure	106/65
Mean Arterial Pressure	79
Heart Rate (Pulse)	125 bpm
SpO2	99%
GCS Score	15
Temperature	102.3 °F

2018 – 2019 Performance

99+% Success



Issues:

- Compliance
- Wrong hospital selection

EMTrack Value – By Design



- Decreased radio use
- No need for triage tags
- No need to make new incidents
- Two-way messaging
- Ability to divert patients
- Faster refresh
- Transports tab
- Registration
- Pictures
- Reporting

We're on Target – Regional Expansion



- We're still not 100% but we're hitting the target
- Waiting on 2 hospitals and 1 EMS service
- Quick-use guides
- Transfers

Optimal Project Goals



- Expand to interfacility transfers
- Add a print button to pictures
- Allow for documents and picture uploads from desktop
- Enhanced reports

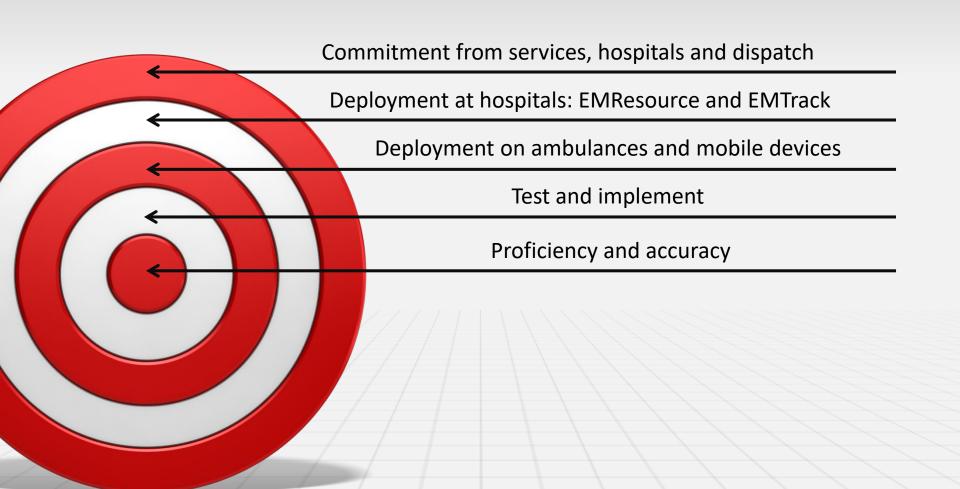
Options that would be great...



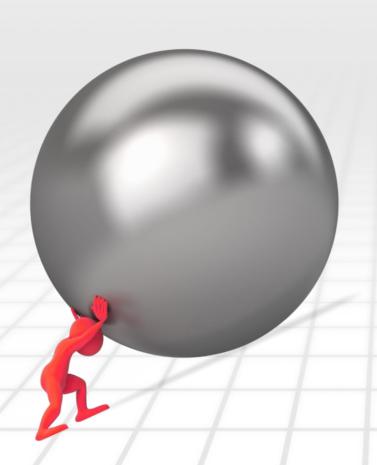
 Ability to upscale events in EMResource

- Password policy change
- Integration with ePCR platforms
- GIS mapping of inbound units visible to receiving hospitals

Steps to the EMTrack Rollout



The Challenges



- Commitment
- Compliance
- Reports
- Closing the loop on receiving patients
- Increasing value
- Summary

Questions?

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