

EMS Reinvented: Tele-Paramedicine

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National Association of State EMS Officials

National Association of EMS Physicians

National Association of EMTs

National Association of EMS Educators

National EMS Management Association

FirstNet Board Member 2012 - 2018

NAEMSO 2020 EMS Reimagined



Paramedics in the Lake District are trialling a new method of rescue.



It's a bird, it's a plane....no, a Paramedic!

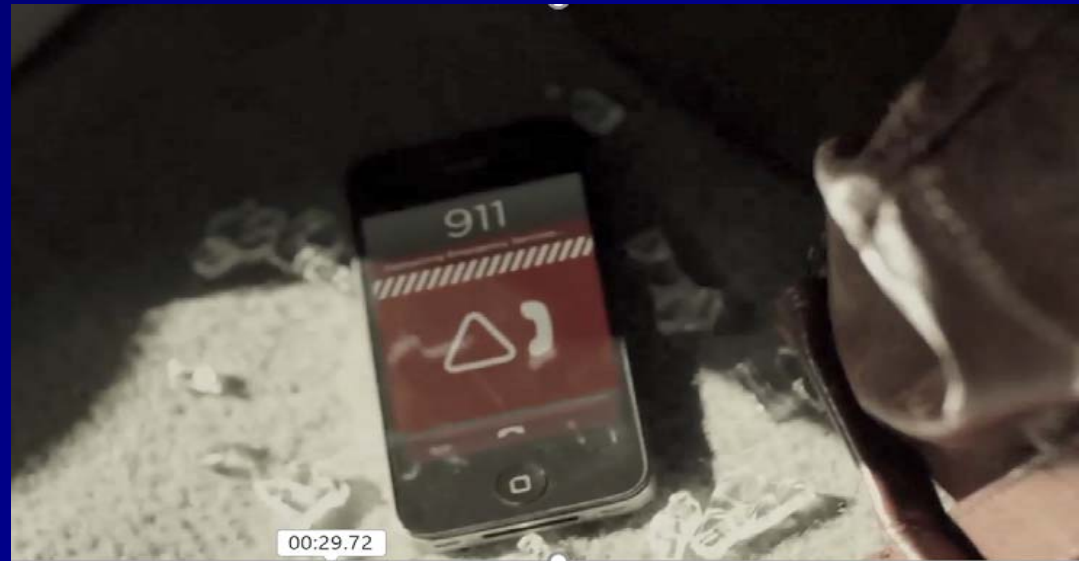
Pilot reports 'guy in jetpack' flying near plane in Los Angeles

A pilot landing an American Airlines jet at LAX reported a bizarre and close encounter.

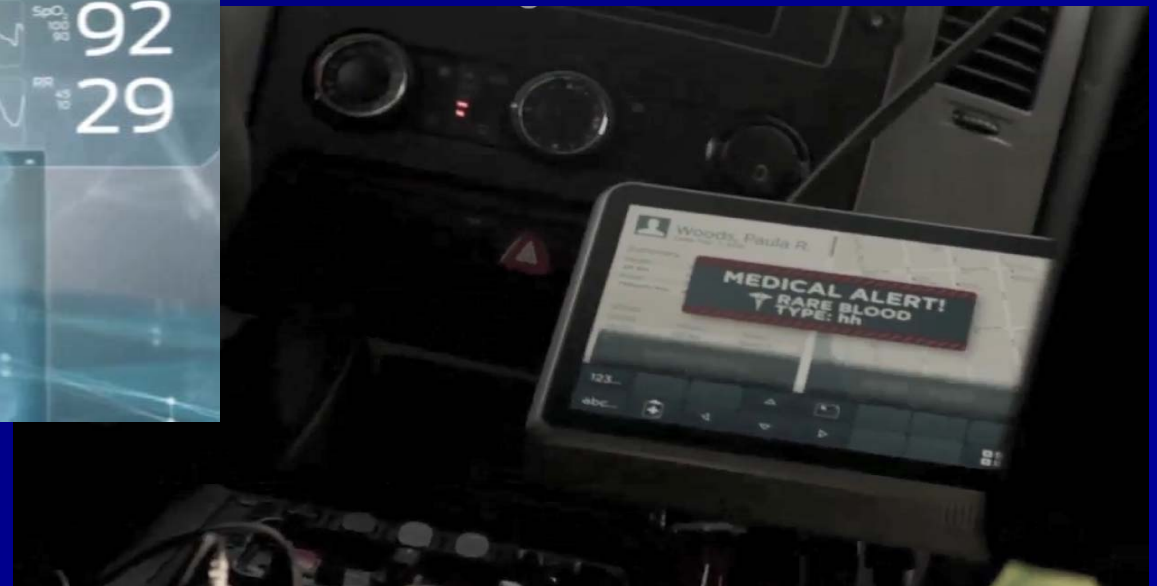
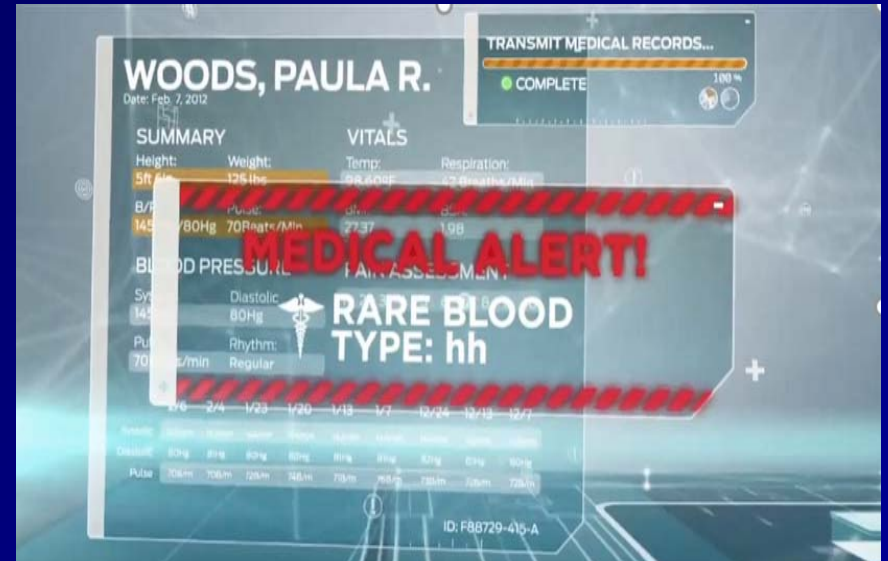


Wednesday, September 2, 2020









Advanced Automatic Crash Notification

Injury Severity Predictor Allows Early Launch of Resources

Crash at 8:28 PM, 5/8/10

Probability of Injury: 92%

[Add/Edit Passenger Details](#)

Passenger	Age	Gender	Safety Belt	Entrapment	Ejection	Prob. of Inj.
1	40	F	N	Y	N	92.0%

Delta V: **30mph**

PSAP Contact:

PAYETTE
1130 3RD AVE N
PAYETTE, ID 83661
(208) 642-6006

Incident Information:

Incident ID: 1438314045
Event Notification: Vehicle Accelerometer
Event Verified:
Rollover: No
Data Provider: OnStar
Provider Contact: 800-486-7827

Vehicle Information:

Color: White
Year: 2009
Manufacturer: General Motors
Make: Chevrolet (1)
Model: Cobalt Sedan

Direction of Force

Airbag Deployed
Car Curb Weight (lbs): 3200
Passenger Side Damage?
Rear Damage?

At A35. Look out for an accident.
ID: ONSTAR-1438314045.2
Status: **CURRENT** Auto-held (updated)
Author: unknown
Received: 10:25 PM, 5/8/10

Map Satellite

Recommended action based on probability of injury calculation:

Provide information to PSAP and suggest vehicle extrication, helicopter request and closest and/or receiving hospital early notification.

© First Responder Network Authority 3/14/2013 7

[Previous Report](#) [Next Report](#) [Create Event](#) [Close](#)

EMS UAS/Drone for Scene “Preview”

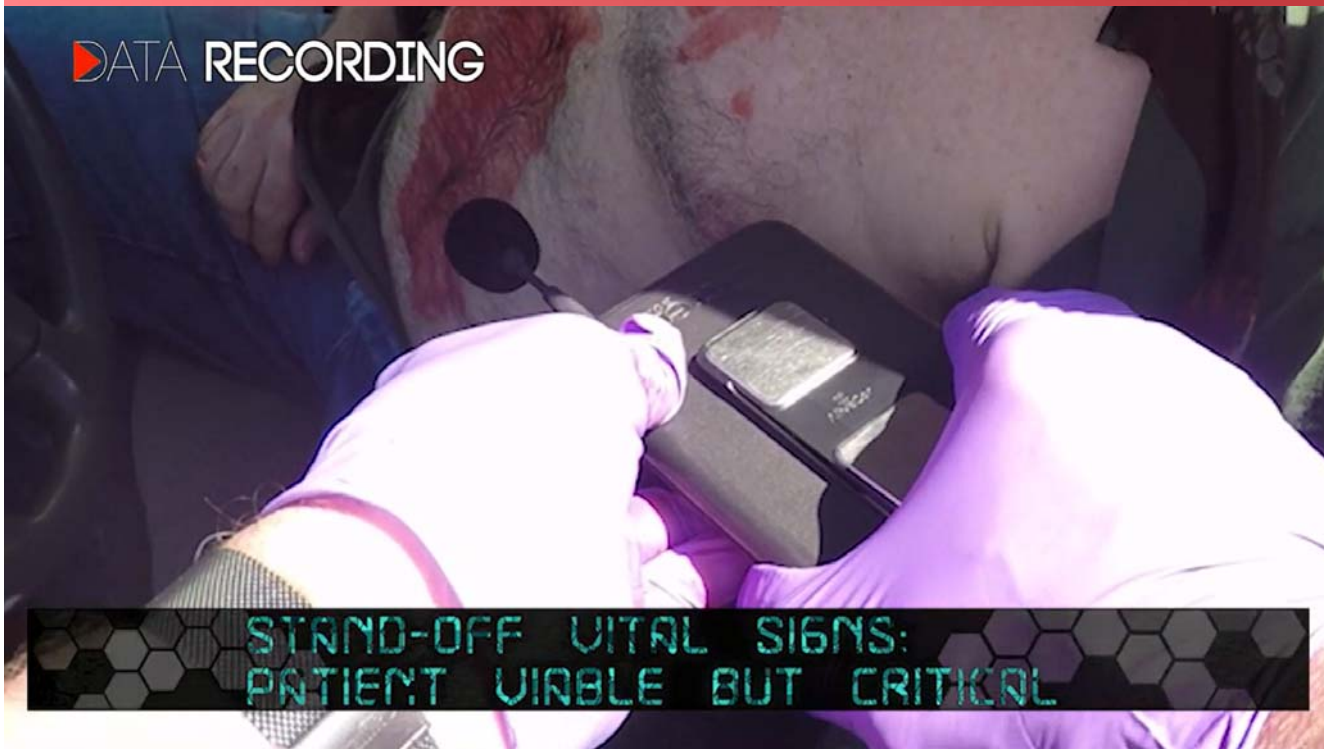








DATA RECORDING



STAND-OFF VITAL SIGNS:
PATIENT VIBILE BUT CRITICAL



SPO2	--	82
HR	--	122
BP	--	84/58
RPM	--	22

Patient Database Online

ON-SCENE VIDEO

PATIENT DATABASE #1

MEDICAL NOTES

PATIENT DATABASE #2



VITAL SIGNS

PATIENT DATABASE #3

PATIENT HISTORY

PATIENT DATABASE #11



HELICOPTER INDICATED FOR TRANSPORT

Project ETHAN Reducing ED Transports in Houston

Video Mar 07, 2016

[Print Version](#)



- Telehealth Treatment in Place
- Alternate Destinations
- CMMI ET3



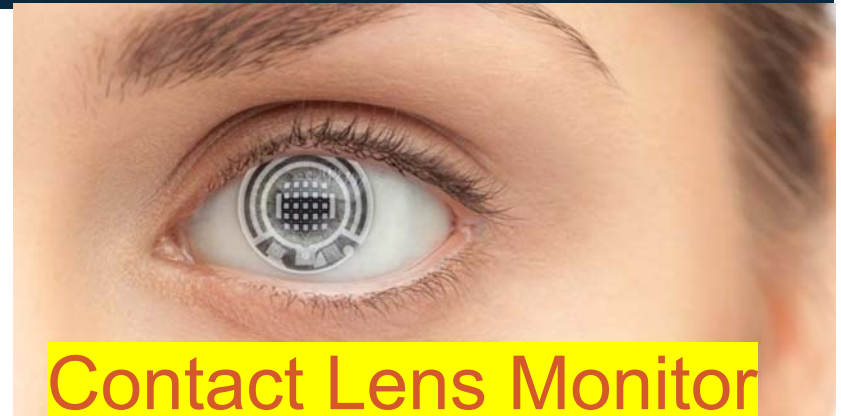
Other Tele-Paramedicine Examples

- Virginia – Field Neuro Assessment (Dr. L)
- Pennsylvania – 19 Units Equipped for Telehealth (Dr. K)

IOLST Tele-Paramedicine Community Paramedicine

Built for Kardia Mobile.

The patient-preferred personal EKG.

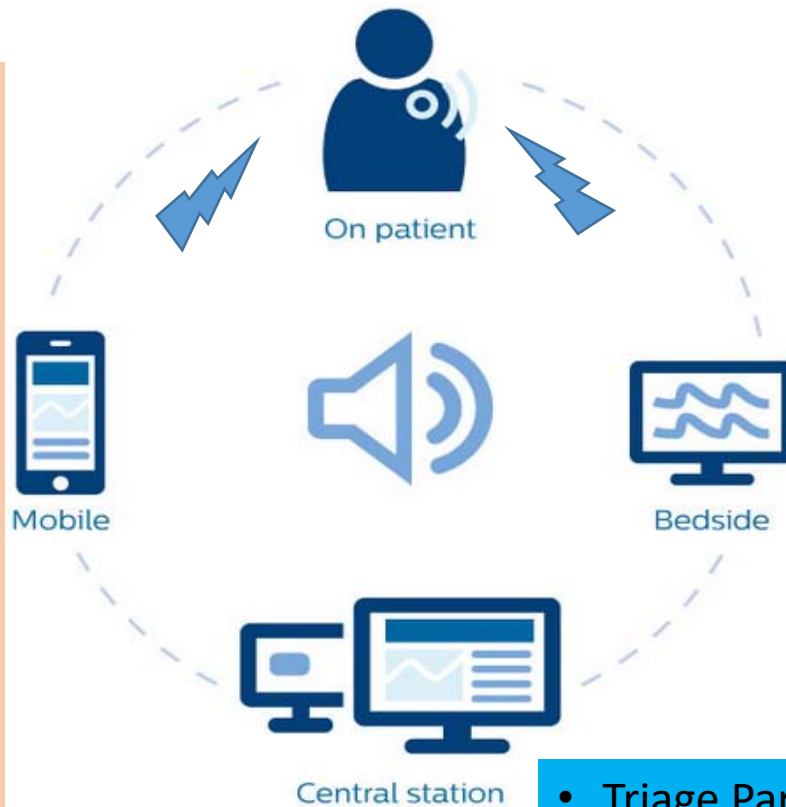


Contact Lens Monitor

- Blood Sugar
- Gout
- Liver Disease
- Glaucoma
- HIV
- Cancer
- Silent Heart Attack

Tele-Paramedicine Monitoring/Interceding Environment

- Ambulance
- Community Paramedic
- Home Health Nurse
- Community Health Worker
- MIH Team
- Uber/Lyft/Taxi
- CMMI Telehealth Treat in Place
- CMMI Alternate Destination



- Pacer/Defibrillator
- Insulin Pump
- Sugar Pump
- Monitors/Alarms

- Triage Paramedic
- Triage Nurse

Tele-Paramedicine Communications Center Example

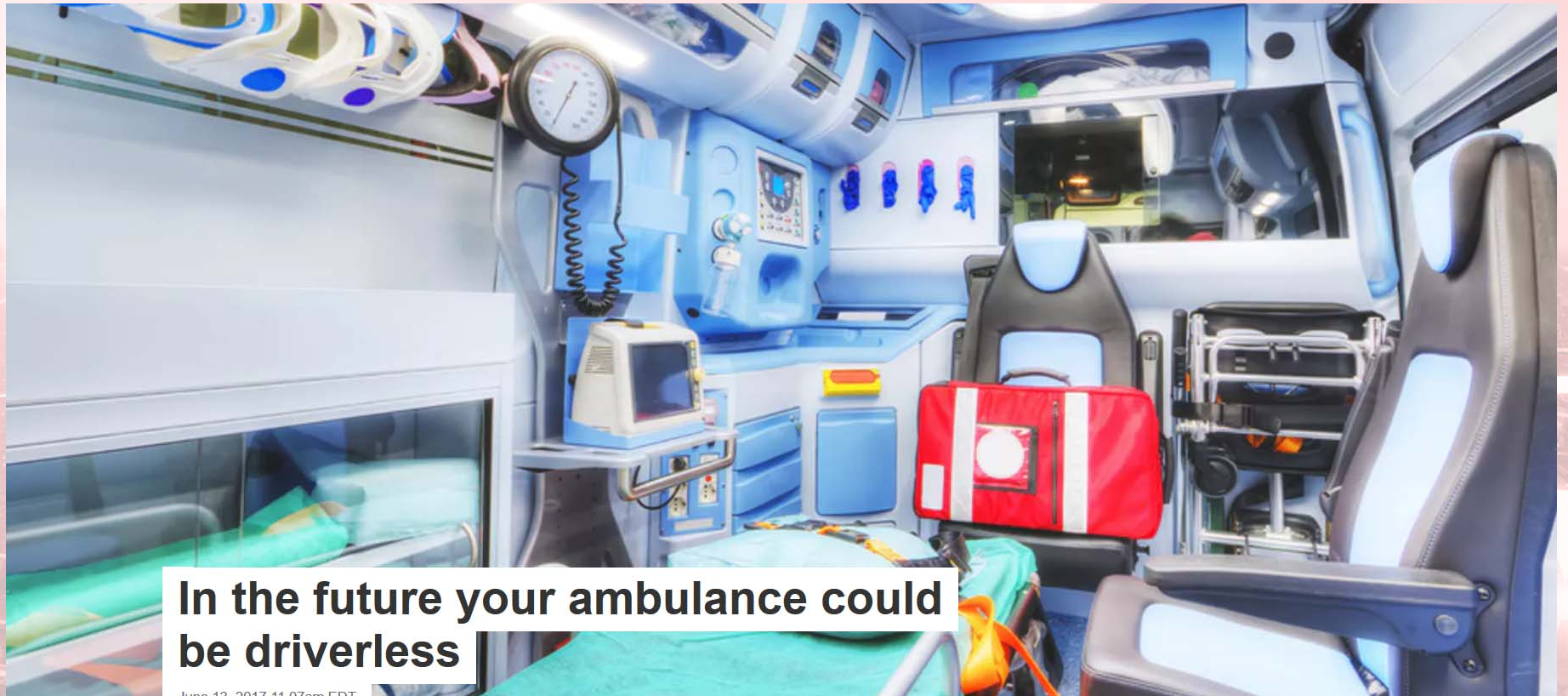
- Pennsylvania – Geisinger Area (Dr. K)

Addressing The Rural EMS Dilemma: Community Paramedicine & Tele-Paramedicine



- CT/Portable Ultrasound
- Point of Care Labs
- Other Imaging/Diagnostics
- Telehealth Treatment in Place





In the future your ambulance could be driverless

June 13, 2017 11:07am EDT

