



PRE-HOSPITAL PROVIDER RECOGNITION AND TREATMENT OF SEPSIS

OHA Statewide Sepsis Initiative

March 16, 2016

OHA QUALITY PROGRAMS TEAM

Collaborating for a Healthy Ohio



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3RD CONSENSUS DEFINITIONS

Surviving Sepsis Campaign Response



Surviving Sepsis Campaign Responds to Sepsis-3

March 1, 2016

In response to the European Society of Intensive Care Medicine's and the Society of Critical Care Medicine's Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3),¹⁻³ the Surviving Sepsis Campaign (SSC) offers clarification on the implications of the new definition statements and guidance for hospitals and practitioners. Many organizations, including regulatory agencies and hospitals, are focused on sepsis quality improvement programs. The following advice is meant to put the recent publication of the consensus definitions in context to facilitate the continued successes of sepsis screening, early identification and treatment that have been the hallmark of SSC's quality improvement efforts associated with improved survival during the preceding decade.^{4,5}

Full response available at:

<http://www.survivingsepsis.org/SiteCollectionDocuments/SSC-Statements-Sepsis-Definitions-3-2016.pdf>

OR

<http://ohiohospitals.org/OHA/media/Images/Patient%20Safety%20and%20Quality/Documents/Sepsis/SSC-Statements-Sepsis-Definitions-3-2016.pdf>

NORTHEAST OHIO REGIONAL QUALITY COLLABORATIVE

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NORTHEAST OHIO REGIONAL QUALITY COLLABORATIVE

AKRON CHILDREN'S HOSPITAL

AULTMAN HOSPITAL

CLEVELAND CLINIC MAIN CAMPUS

LAKE HEALTH TRIPOINT MEDICAL CENTER

LAKE HEALTH WEST MEDICAL CENTER

MERCY MEDICAL CENTER

SALEM REGIONAL MEDICAL CENTER

SOUTHWEST GENERAL HEALTH CENTER

SUMMA AKRON CITY HOSPITAL

SUMMA BARBERTON HOSPITAL

SUMMA ST. THOMAS HOSPITAL

SUMMA WESTERN RESERVE HOSPITAL

UNION HOSPITAL

UNIVERSITY HOSPITALS CASE MEDICAL CENTER

UNIVERSITY HOSPITALS PORTAGE MEDICAL CENTER

UNIVERSITY HOSPITALS SAMARITAN MEDICAL CENTER

FEATURED PRESENTER



Rommie L. Duckworth, LP

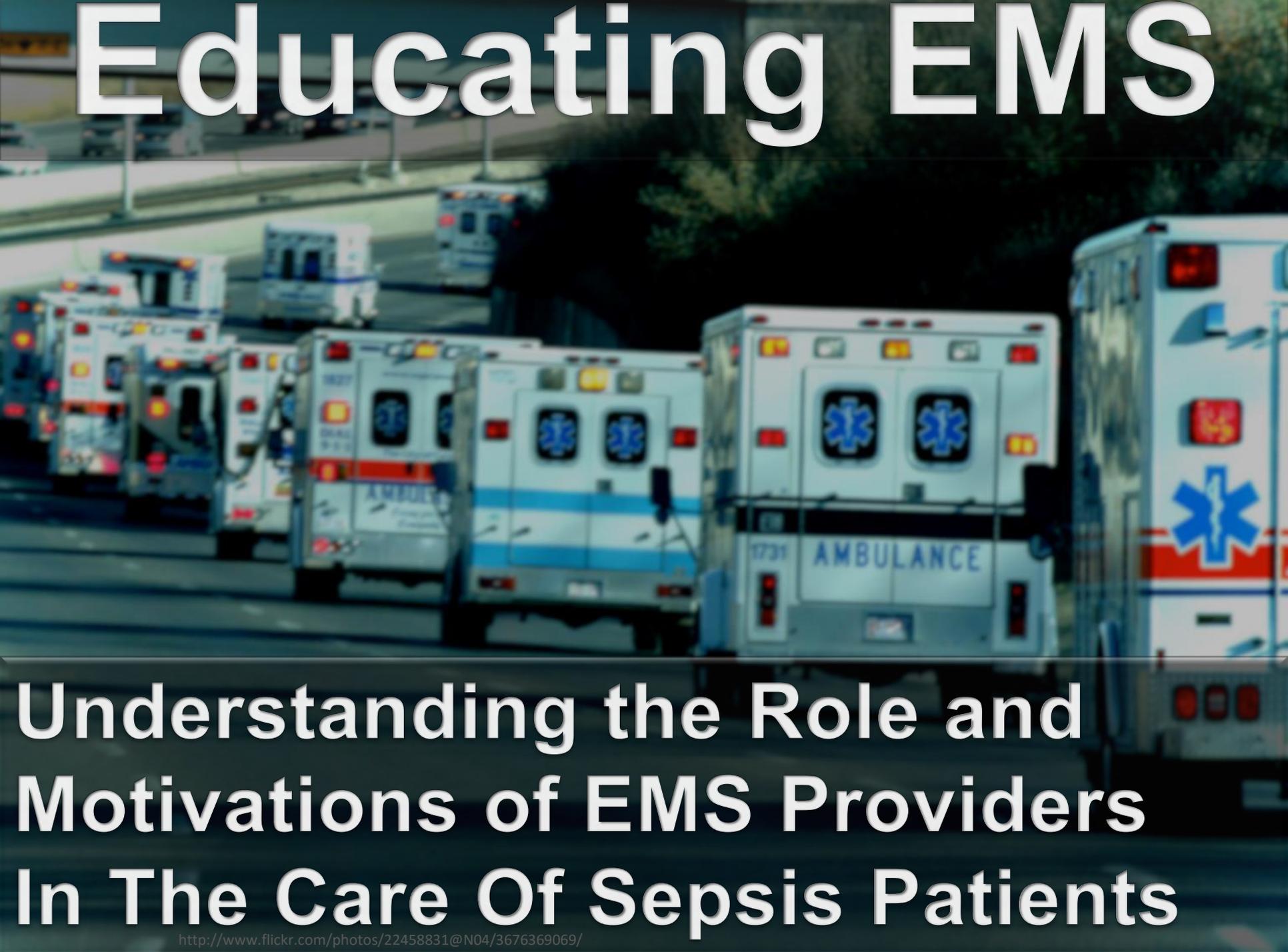
Founder and Director

New England Center for Rescue & Emergency Medicine LLC

Fire Captain & Paramedic-EMS Coordinator

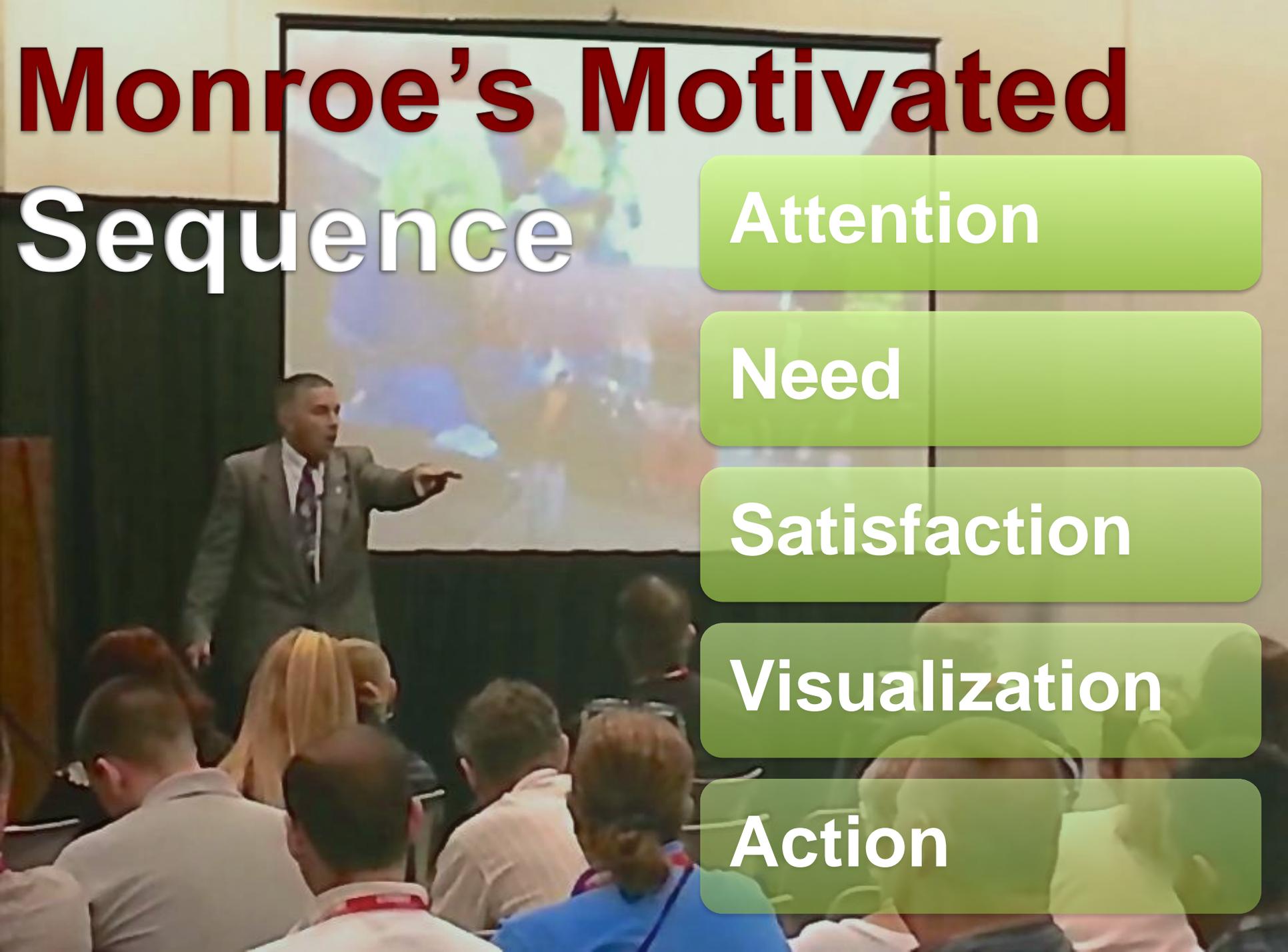
Ridgefield Fire Department

Educating EMS

A line of ambulances is shown on a road at night. The ambulances are white with blue and red accents, and they have their emergency lights on. The word "AMBULANCE" is visible on the side of the vehicles. The background is dark, suggesting a nighttime setting.

Understanding the Role and Motivations of EMS Providers In The Care Of Sepsis Patients

Monroe's Motivated Sequence

A man in a grey suit and tie stands on a stage, pointing towards a large projection screen. The screen displays a globe with various colored regions. In the foreground, the backs of several audience members' heads are visible, showing they are seated and facing the stage.

Attention

Need

Satisfaction

Visualization

Action

Super Sick Kids



The **A** **B** **C**'s of

Pediatric Septic Shock



Andrew

Averie

Andrew

14 Years Old

January 2007

PA State Soccer Championship

Appendicitis

Leukemia

Septic Shock

Chemotherapy

5½ Months & 50 Procedures



Averie

3 Years Old

February 2011

Fever at daycare

16 hrs. later

ER Diff Dx of Flu

Tests -, Condition deteriorated over 9 hours

Sepsis

6 Days Later



“If you would have waited until the next morning, I’m almost certain she would have died.”

Incidence

Major Medical Killers in the USA

Severe Sepsis



AMI



Lung Cancer



Colon Cancer



Breast Cancer



0 50,000 100,000 150,000 200,000 250,000

Incidence



42,000 Cases Of
Pediatric Sepsis In The US.

Annually 4,400 Die.

What Can EMS Do?

Learn the Facts

Spread the Word

Get & Use Sepsis Alert

Raise Awareness

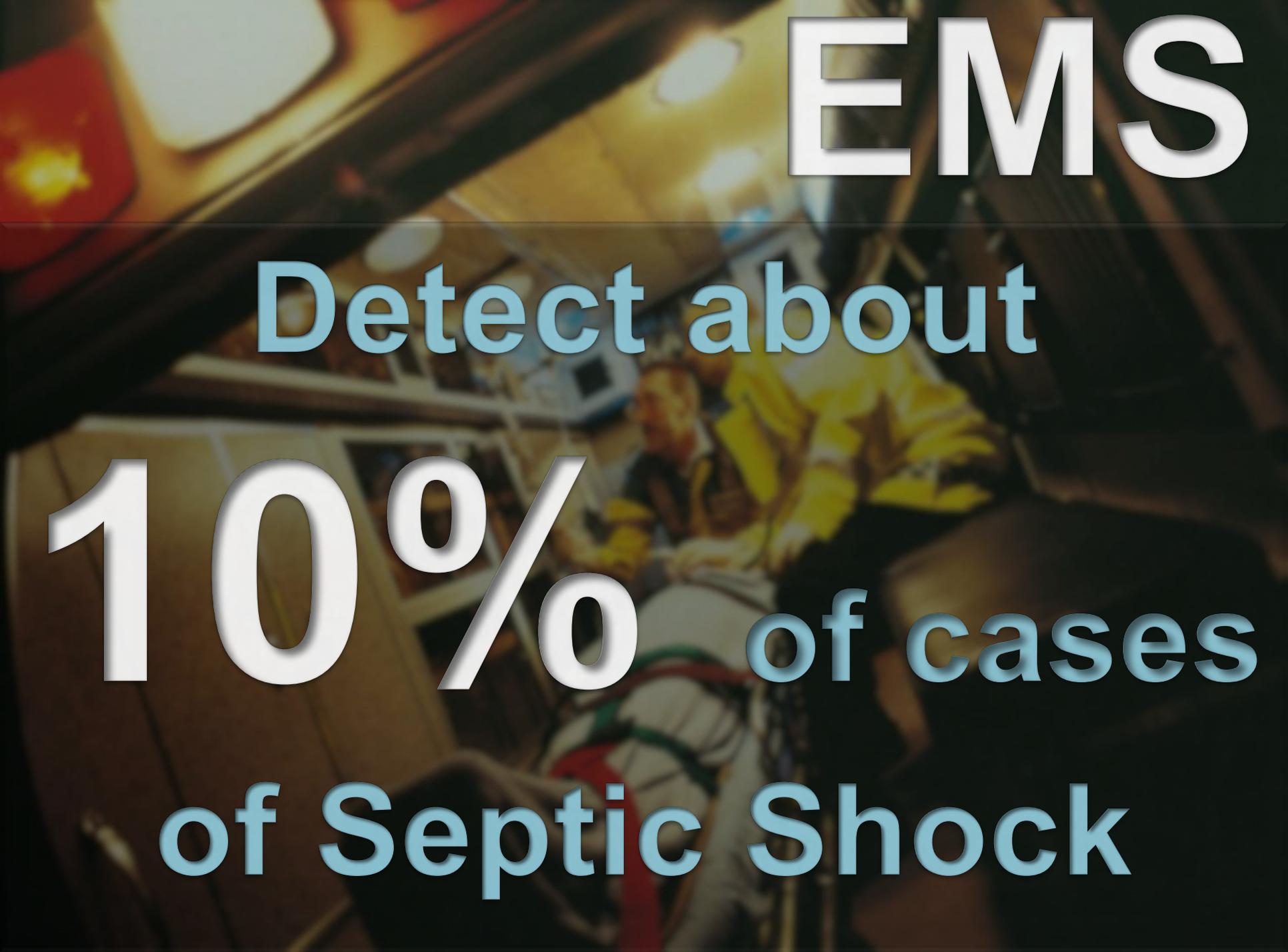
Be a Patient Advocate

EMS

Proper identification of
Sepsis decreased TTT

30-60 minutes

and improved mortality

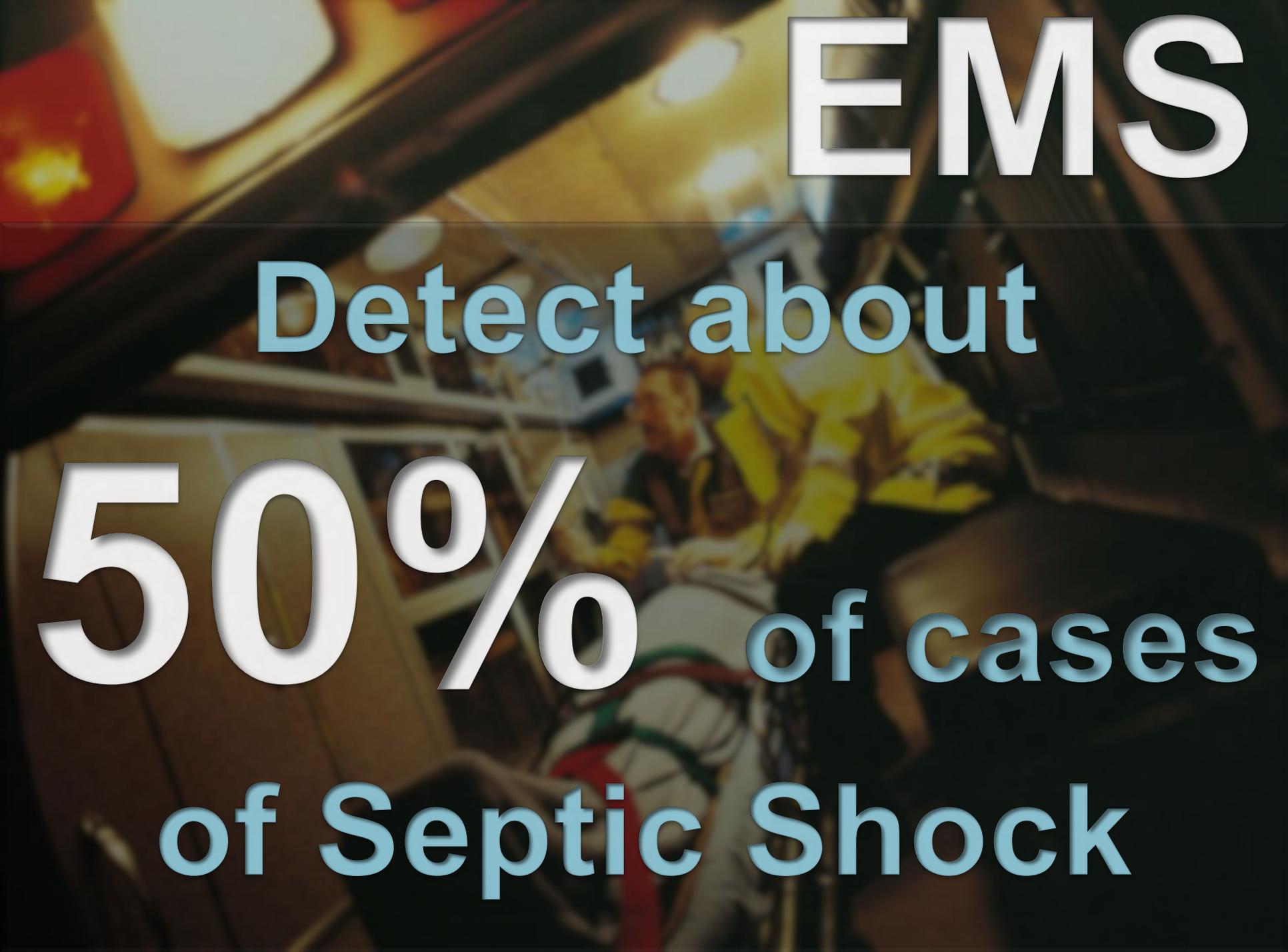


EMS

Detect about

10% of cases

of Septic Shock



EMS

Detect about

50% of cases

of Septic Shock



SISSEPSIS

Follow the Patient's

C
H
A
R
T



CHART

A hand holding a pen over a clipboard with a form, overlaid with a semi-transparent box containing text. The background is a blurred clinical setting.

Complaint
History
Assessment
Red Flags
Treatment

What Is Sepsis



Acquired Infection



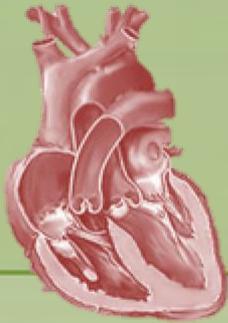
Blood Vessel Problems



Circulatory Collapse

The qSOFA

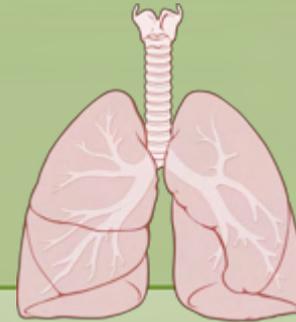
Quick Sequential (sepsis-related) Organ Failure Assessment



Hypotension
Sys. BP < 100



Altered Mental
Status



Tachypnea
RR > 22 min.

Two or more suggests a risk of poor
outcome

H A T

CHART

A hand holding a pen is writing on a clipboard. The clipboard has a form with various sections and lines. The background is blurred, showing what appears to be a medical or office setting.

Complaint

History

Assessment

Red Flags

Treatment

Mental Model



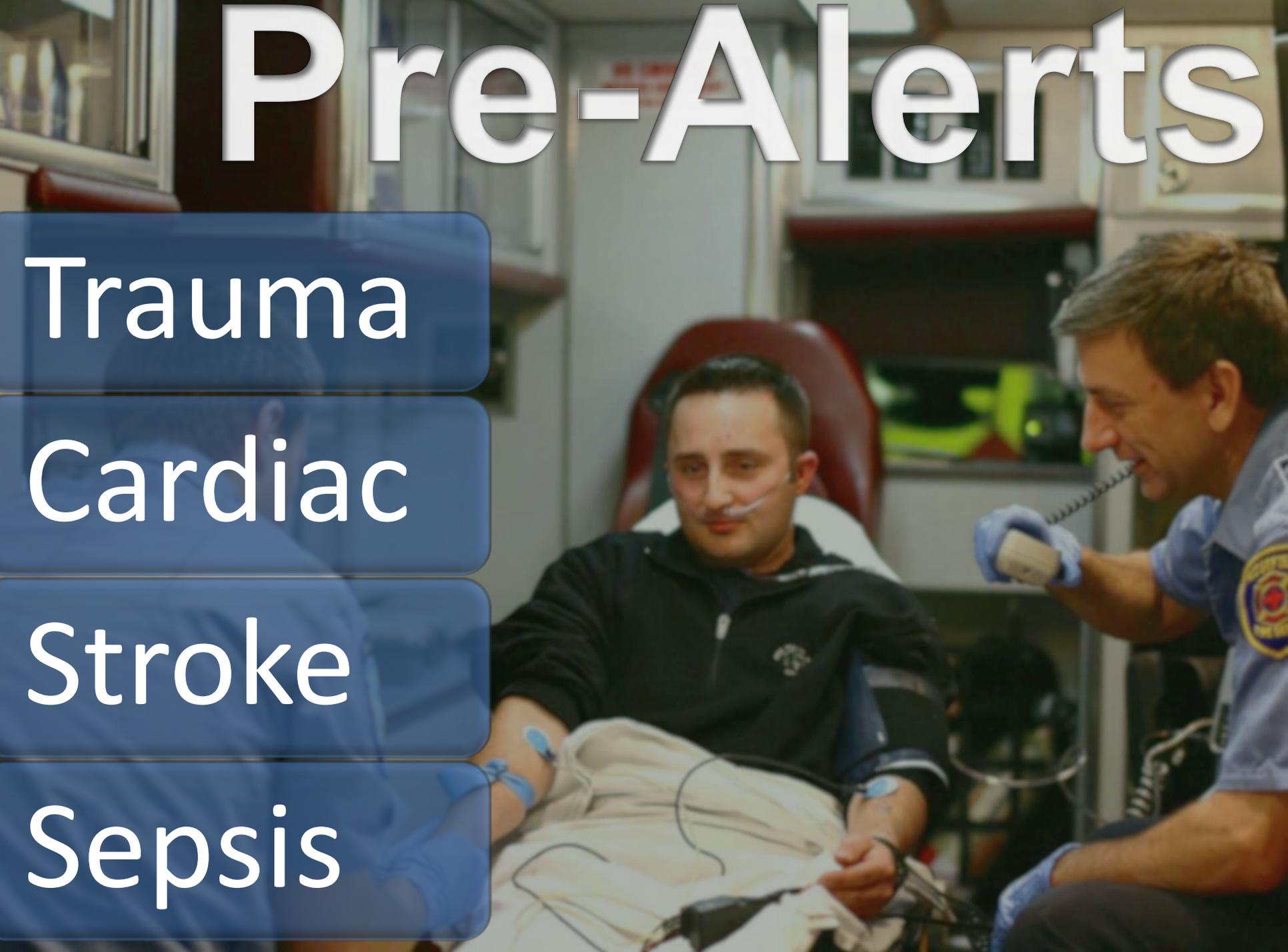
Focused Priority

Hx. Prior Care

Current State

Immediate Needs

Pre-Alerts

A paramedic in a blue uniform is attending to a patient in an ambulance. The patient is lying in a stretcher, wearing a black jacket and has a nasal cannula. The paramedic is wearing blue gloves and is holding a device. The background shows the interior of an ambulance with various medical equipment.

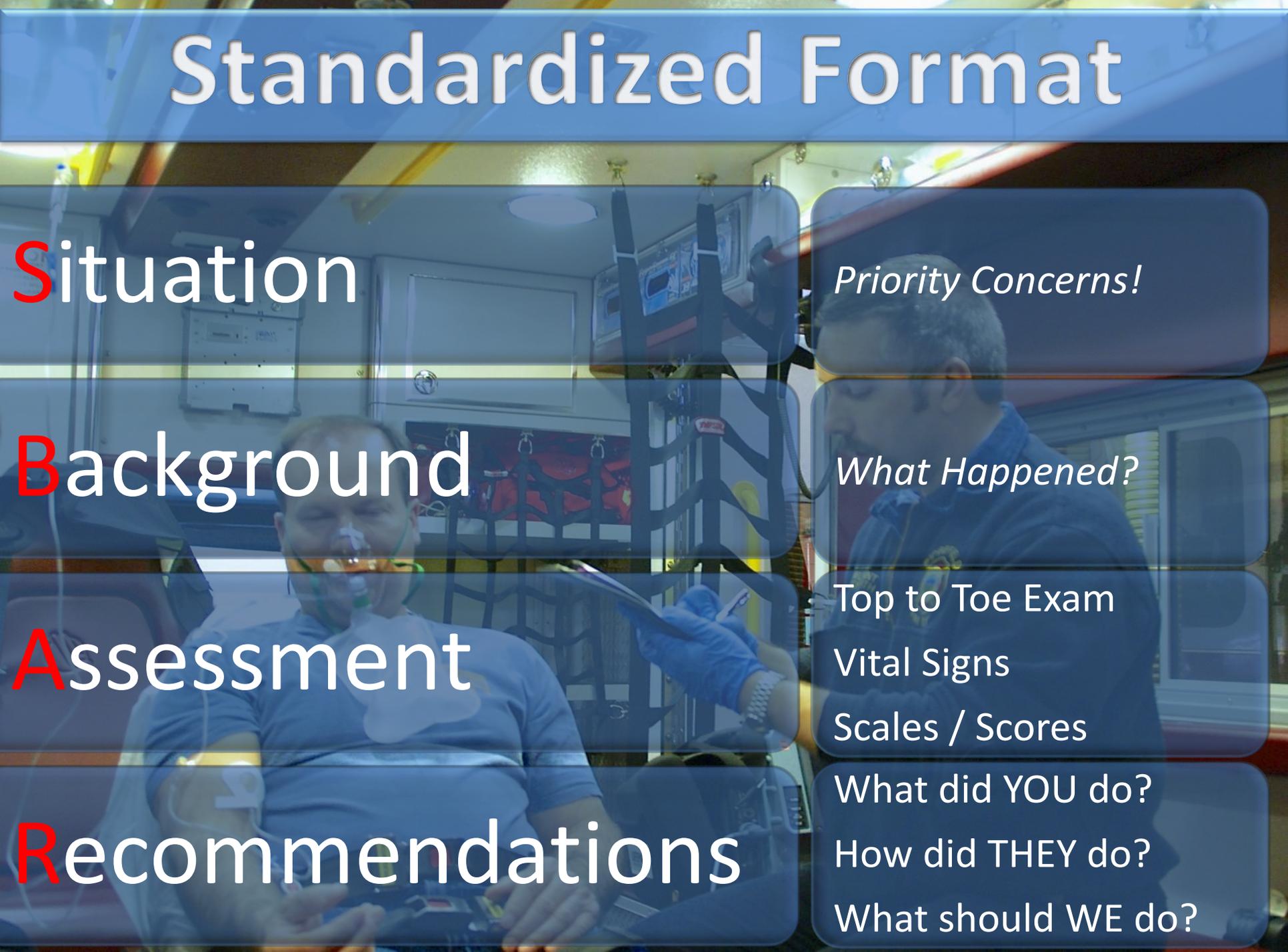
Trauma

Cardiac

Stroke

Sepsis

Standardized Format

The background image shows the interior of an ambulance. A patient is lying on a stretcher, wearing a blue shirt and a nasal cannula. A paramedic in a blue uniform and blue gloves is standing next to the stretcher, looking at a clipboard. The ambulance has various medical equipment and storage compartments visible.

Situation

Priority Concerns!

Background

What Happened?

Assessment

Top to Toe Exam

Vital Signs

Scales / Scores

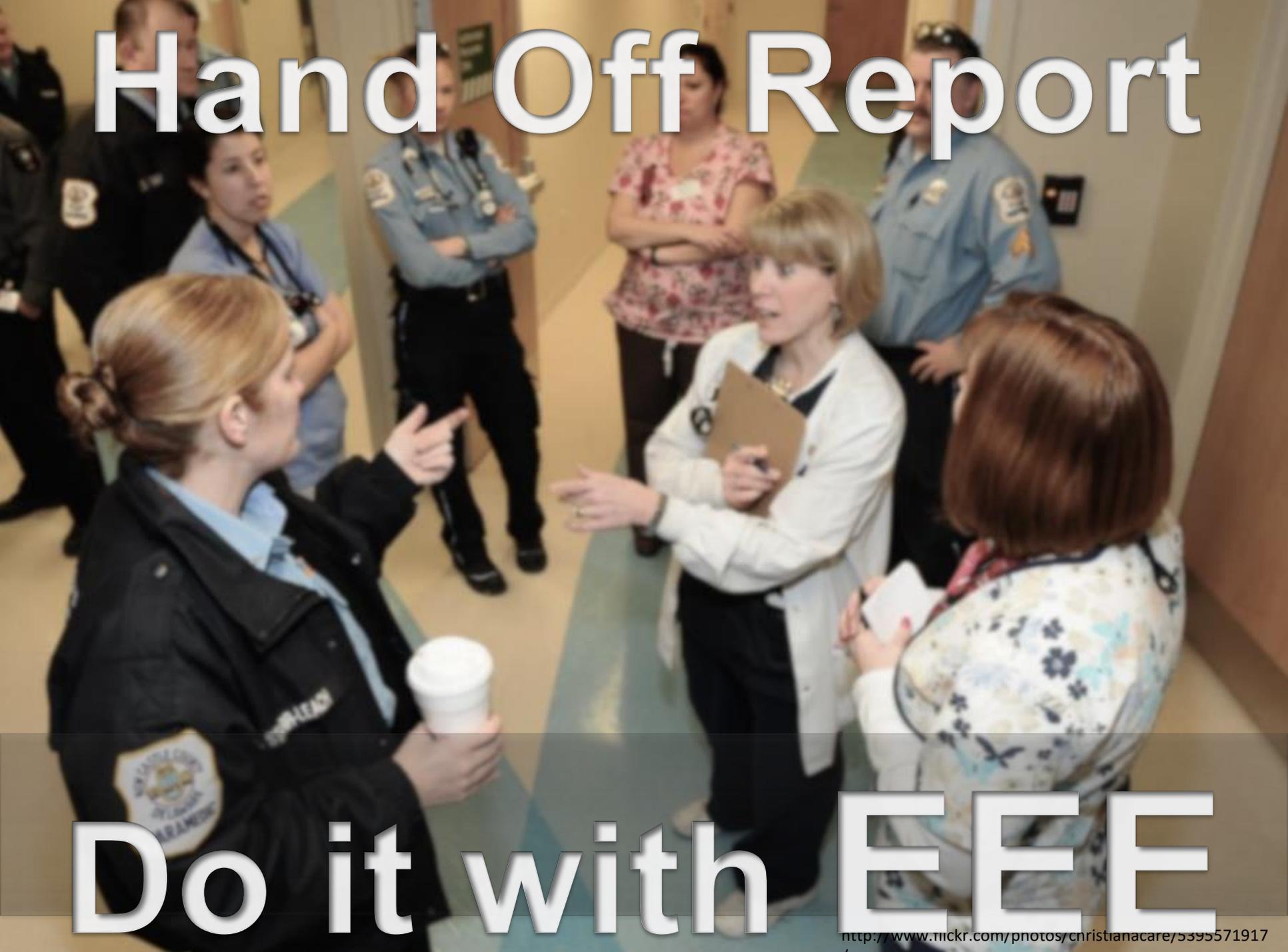
Recommendations

What did YOU do?

How did THEY do?

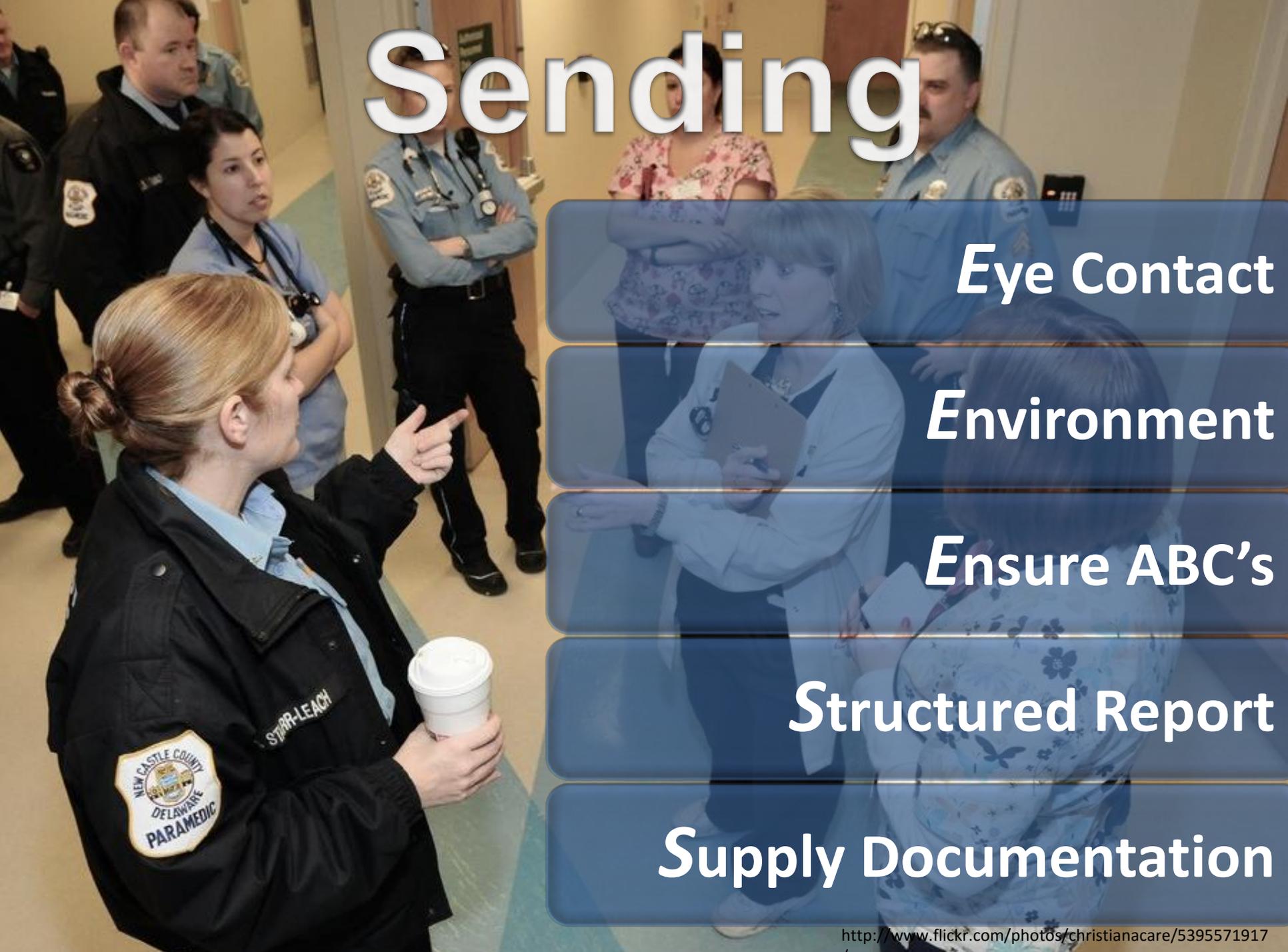
What should WE do?

Hand Off Report



Do it with EEE

Sending

A photograph of a hospital hallway. In the foreground, a paramedic in a black jacket with a patch that reads "NEW CASTLE COUNTY DELAWARE PARAMEDIC" and "STARR-LEACH" is talking to a group of people. She is holding a white coffee cup. In the background, there are several people, including a nurse in a white lab coat holding a clipboard, and other medical staff. The hallway has a light-colored floor and walls.

Eye Contact

Environment

Ensure ABC's

Structured Report

Supply Documentation

Receiving

Eye Contact

Environment

Ensure Understanding

Summary

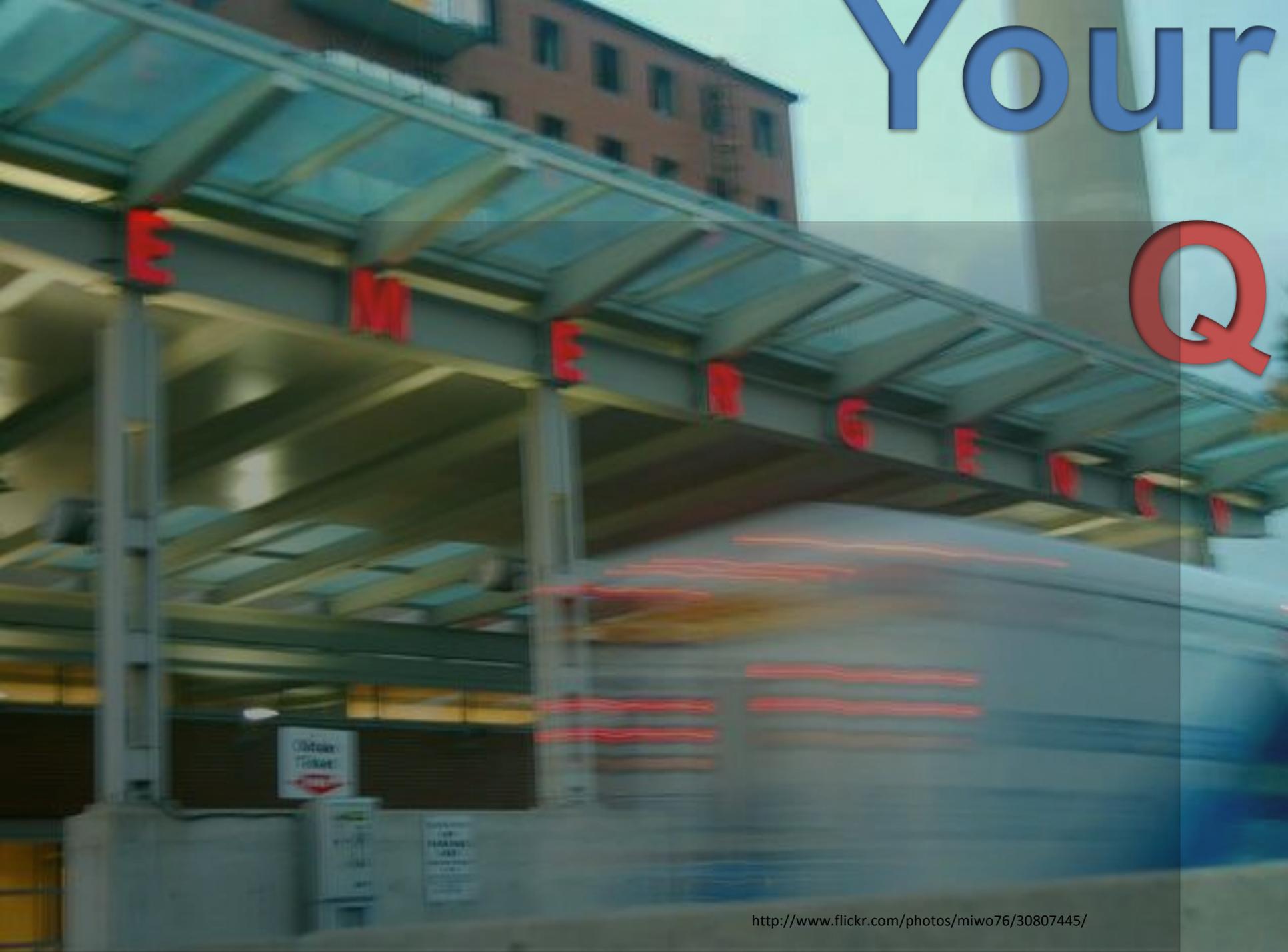
Supplementary Documents



Be Heard
Spread the Word
Unrecognized
Sepsis Kills Kids

Your

Q





Join Me On Twitter:

@romduck

@RescueDigest



Contact Me:

www.RomDuck.com



Resources:

www.bit.ly/PedSepsisEMS

www.RescueDigest.com

QUESTIONS?



Rommie L. Duckworth, LP

Founder and Director

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Fire Captain & Paramedic-EMS Coordinator

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OHA collaborates with member hospitals and health systems to ensure a healthy Ohio

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HelpingOhioHospitals



@OhioHospitals



www.youtube.com/user/OHA1915