Sepsis Alert Process

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ED Sepsis Algorithm

Sepsis Screening

- Are Rigors present?
 - Feeling of cold, shivering, copious sweating
- Is there a suspected infection?
 - Known infection, wound with redness or drainage, current antibiotic therapy, fever, productive cough, painful urination, etc.
- Does the patient have Altered Mental Status or changes from baseline?
- Are two or more of the SIRS criteria present and new to the patient?

SIRS criteria:

Temperature: ≥100.4°F or ≤96.8°F

Respiratory Rate: ≥ 20 breaths per minute

Heart Rate: ≥90 beats per minute

WBC: ≥12,000 or ≤4,000 or normal WBC with ≥10% bands

MUST MEET 2 OR MORE!



If you answer YES to TWO or more questions



Sepsis Alert

& Order

"Suspected Sepsis"

Triage protocol order and Start Sepsis Bundle Checklist



Monitor for any Evidence of Organ Dysfunction?

CNS: new onset or worsening altered mental status

<u>Cardiovascular</u>: <u>SBP < 90, MAP < 65</u>, or SBP decrease of > 40 points from baseline

<u>Respiratory:</u> respiratory failure, new need for supplemental O2, vent or Bipap

Renal: Cr > 2.0 or urine output < 0.5 ml/kg/hr for 2 hours

Hepatic: Bilirubin >2 mg/dl

<u>Hematologic:</u> Platelet count < 100,000 or INR >1.5 or aPTT > 60 seconds

Severe Sepsis: Lactate > 2 mmol/L

Septic Shock: Lactate > 4 mmol/L, SBP < 90, MAP < 65 after fluid resuscitation

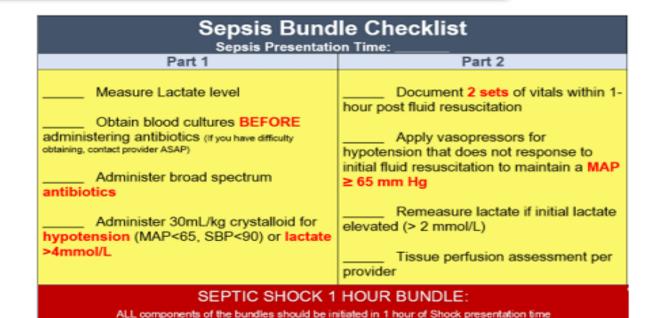


Yes to any Organ Dysfunction
- Notify Provider Immediately



Sepsis

Complete Sepsis Bundle
Checklist and Monitor for Septic
Shock



ED Sepsis Alert



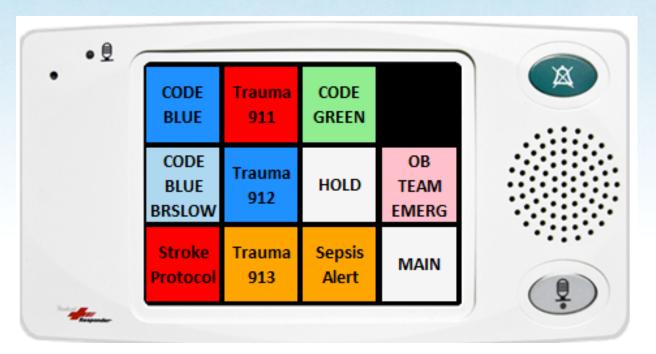
Similar to stroke, trauma or code

Used for patients that meet criteria for sepsis or nursing

discretion

Alert is sent to:

- ED RNs
- ED techs
- Pharmacy
- Clinical Program Specialist
- ED provider
- ED Supervisors/Flow Coordinator

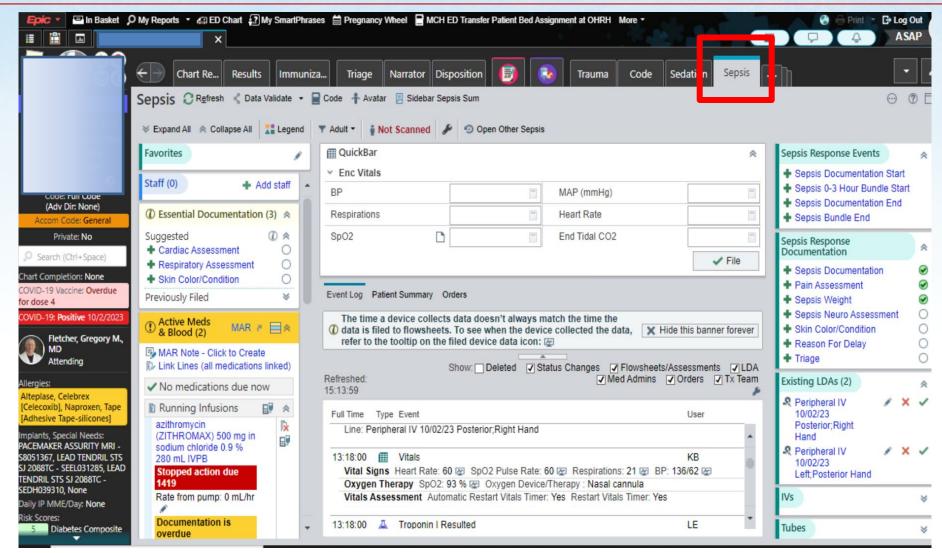


ED Nursing Triage Protocol



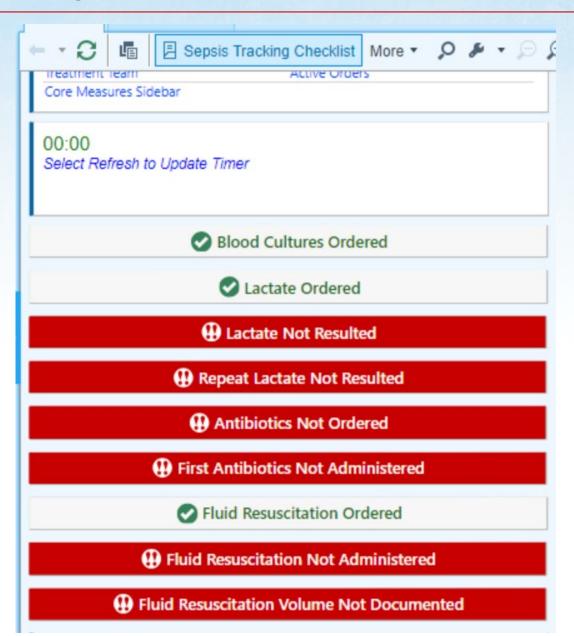
Manage Orders	
Quick List Active Signed & Held Home Me	eds Order Review
Order Sets	
Suggested (8)	CAR Generic Admission
Quick List Imaging Nursing Communication	
Triage Panels	Blood
Abdominal Pain and/or Vomiting	Amylase (Blood)
Behavioral Health	Arterial blood gas panel (RT)
Chest Pain	Basic metabolic panel (C7)
Dyspnea/Asthma/COPD	BNP peptide
□ ED Stroke or TIA order panel	CBC With Differential
Suspected Sepsis	CK-CPK-Creatinine phosphokinase
☐ Haulila - Auult	CKMB (Mass MB)
ECG	Comprehensive metabolic panel
	C-reactive protein titer
ED EKG 12 lead W/INTERP93005	Ethyl alcohol (Blood)

Sepsis Narrator





Sepsis Sidebar Checklist





Challenges and Opportunities

Challenges:

- High volume surge times
- Competing priorities
- Manual process



- Increase use of alerts
- Increase use of RN protocol and physician order sets
- Automate process





For additional questions, please contact:

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