

Kentucky **SEPSIS** Consortium

Virtual Meeting

August 24, 2023



The Kentucky Hospital Association Sepsis Consortium is working with hospitals statewide to reduce the morbidity and mortality caused by sepsis.

Consortium Steering Committee Regional – Bluegrass District



Amanda Miller, BSN,
RN, CPHQ
Program Manager,
Quality and Patient
Safety
St. Joseph London
CHI St Joseph Health
System



Tracy Louis MSN,
RN-TN,
CIC, CPPS
AVP Infection
Prevention
Lifepoint Health



Louis Claybon,
MD
Physician Advisor
St. Elizabeth
Healthcare

Tammy Alexander
Director, Nursing
Quality
St Elizabeth
Healthcare

Ashel
Kruetzkamp,
Program Mngr,
Emergency
Services
St Elizabeth
Healthcare

Consortium Steering Committee Regional – Cumberland District



Anthony
Stumbo, MD
Appalachian
Regional Health



Christina Witt, RN
Sepsis Nurse
Navigator
Ephraim
McDowell Health



Clara Spriggs,
BSN, RN
Sepsis
Performance
Improvement
Coordinator
Highlands ARH
Hospital



James J. Hensley
System Director
Infection
Prevention
Appalachian
Regional
Healthcare



Kim Elliott, RN
Director of
Quality/
Sepsis
Coordinator
Paintsville ARH
Hospital

Consortium Steering Committee Regional – Ohio Valley District



Karan Shah, MD
Vice President,
Physician Integration
Baptist Health Louisville



Stacy Monarch
Sepsis Coordinator
Baptist Health Louisville



Danette Culver, APRN
Clinical Nurse Specialist
Norton Healthcare

Consortium Steering Committee Regional – Twin Lakes District



JoAshley Ross
Sepsis Coordinator
Baptist Health
Paducah



Allison Rains, MD
Emergency Department
Baptist Health
Paducah



Skyler Hughes,
BSN, RN
Sepsis Clinical
Program Specialist
Owensboro Health

LTAC/Post Acute/Rehab Facilities



Nicki Shorr-Maxson, RN, BSN, CIC, CPHQ
Manager of Quality and Safety
Continuing Care Hospital
CHI St Joseph Health

Consortium Steering Committee Patient/Family Advocate



Darrell Raikes

Consortium Steering Committee Kentucky Hospital Association



Deb Campbell
Vice President of
Clinical Strategy
and
Transformation



Casey Franklin
Director of
Quality and
Health
Professions



Rochelle Beard
Infection
Preventionist



Jessica Covington
Pharmacist
Consultant

NOW, THEREFORE, I, ANDY BESHEAR, Governor of the Commonwealth of Kentucky, do hereby proclaim September 2023, as

SEPSIS AWARENESS MONTH

in Kentucky.



DONE AT THE CAPITOL, in the City of Frankfort the 22nd day of August, in the year of Our Lord Two Thousand Twenty-Three and in the 232nd year of the Commonwealth.

A handwritten signature in blue ink that reads "Andy Beshear".

ANDY BESHEAR
GOVERNOR

A handwritten signature in blue ink that reads "Michael G. Adams".

Michael G. Adams
Secretary of State

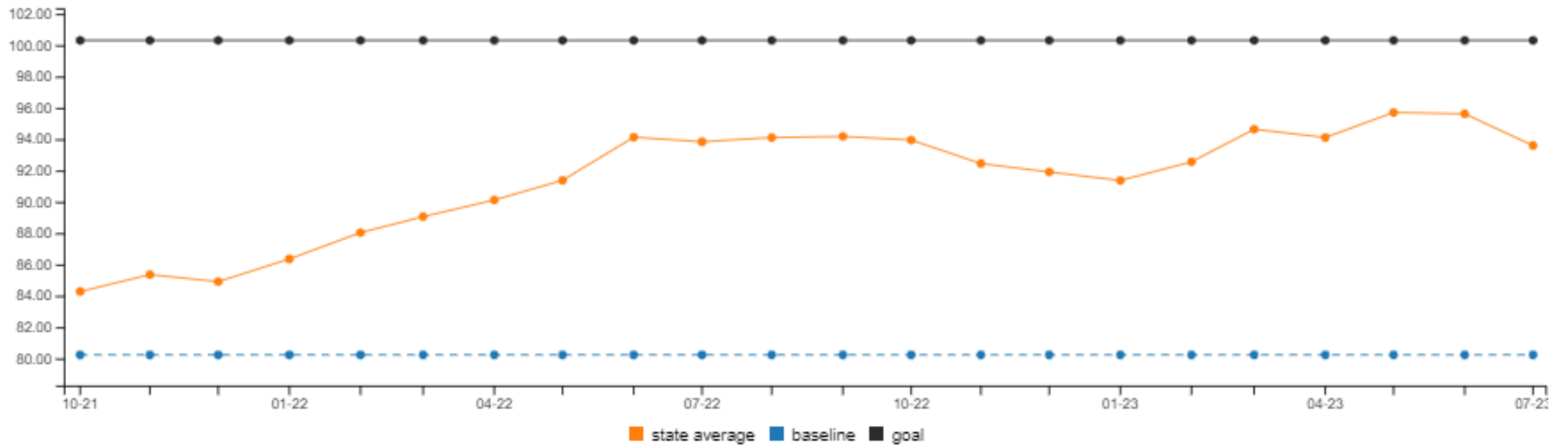


SEPSIS-2c SEPSIS Screening Performed at Triage



Kentucky Sepsis Consortium
SEPSIS-2c SEPSIS Screening Performed at Triage

Goal Type: Increase

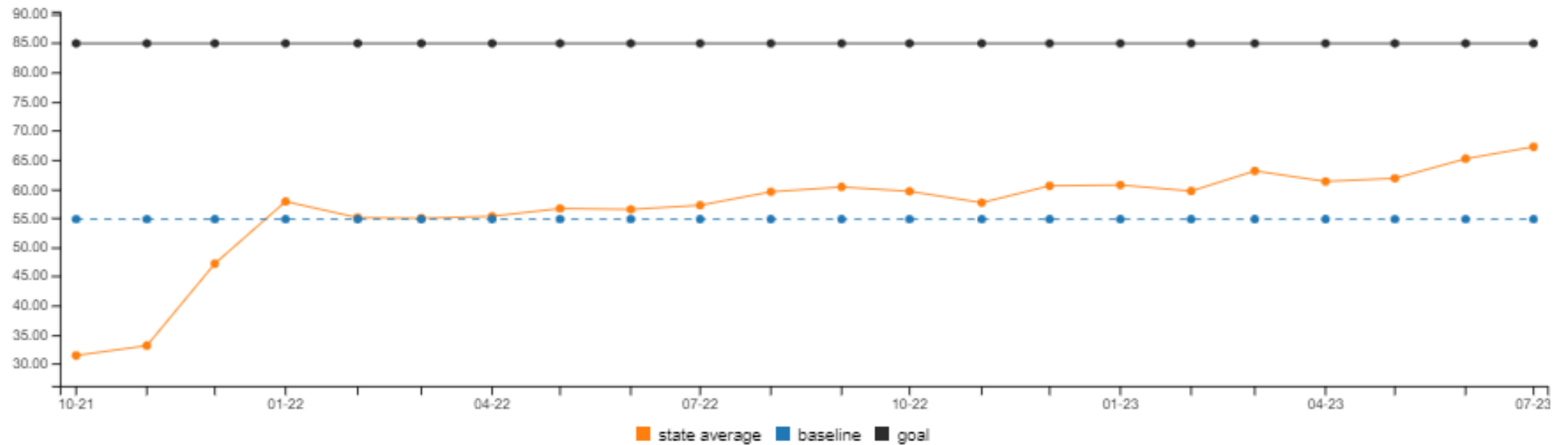


Data was pulled on 08/22/23

SEPSIS-2d 3 & 6 Hour Sepsis Bundle Compliance



Kentucky Sepsis Consortium
SEPSIS-2d 3 and 6-Hour Sepsis Bundle Compliance
Goal Type: Increase

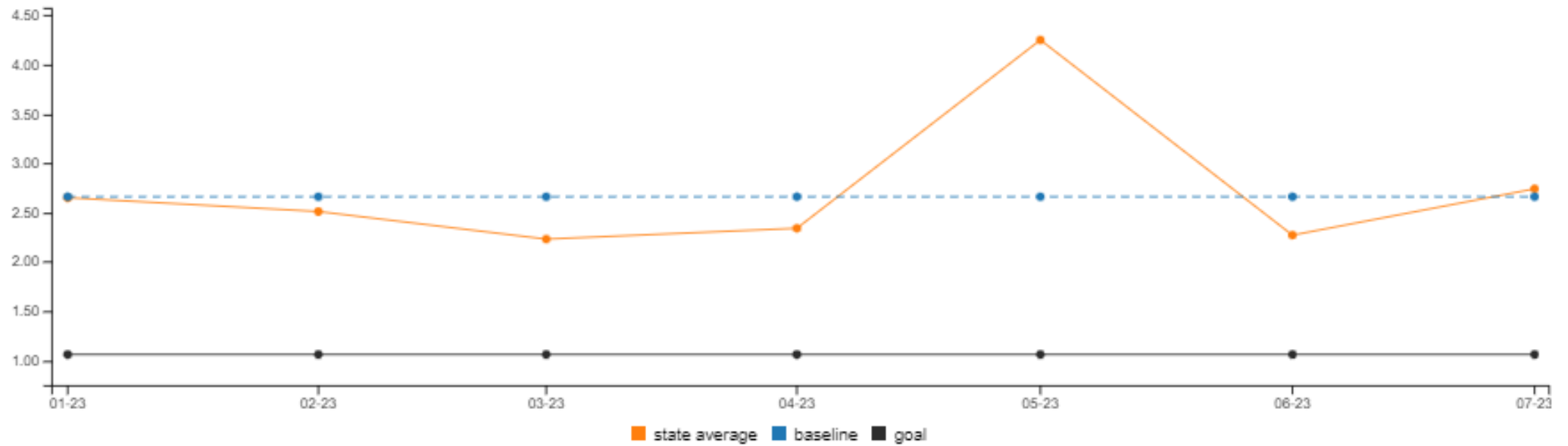


SEPSIS-2e Blood Culture Contamination



Kentucky Sepsis Consortium
SEPSIS-2e Blood Culture Contamination

Goal Type: Decrease



*Data entry errors, in review

SEPSIS-2e Blood Culture Contamination Baseline Missing



There are 19 facilities that have not provided their baseline data.

We are collecting the numerator and denominator for blood culture contamination. The monitoring period began in January 2023, and is being collected on a monthly basis. For this to be successful, we will also need to collect data for the baseline period. The baseline period is **4th Quarter 2022**. It is a cumulative numerator and cumulative denominator, otherwise known as the total for the 3 months (October, November, and December) for the numerator as well as for the denominator.

If you are one of the facilities that have not provided the baseline, please provide the following information to Shafrin Choudhury at schoudhury@kyha.com.

FacilityName	MeasureName	Start	End	Numerator	Denominator
	SEPSIS- 2e Blood Culture Contamination	10/1/2022	12/31/2022		

Reaching Out



Quick HRIP note

- ❖ Screening- calls going out to any hospital not at 95%
- ❖ Bundle Compliance- calls beginning this week to any hospital not at least 55% compliant
- ❖ Please call Deb Campbell with questions/concerns about meeting the 2023 goals around sepsis

September is Sepsis Awareness Month



- Badge Cards
- Ribbons
- IPRO sepsis series- Part 1
- Tuesday, September 19, 2023 2:00 PM | (UTC-04:00) Eastern Time (US & Canada)
- **PRESENTERS:**
 - **Dr. Karan Shah, MD, MMHC** Vice President of Physician Integration Baptist Health
 - **Stacey Monarch, BSN, RN, CPHQ** Sepsis Coordinator Baptist Health Louisville
- <https://www.wsha.org/sepsis-awareness-month/>

Sepsis: Lessons Learned
A two-part series highlighting successful strategies across the HQIC partnership to improve sepsis care and reduce mortality.

Session One: September 19, 2 - 3 PM EST
Session Two: October 17, 2 - 3 PM EST
Audience: Nurses, Physicians, APPs, Emergency and Critical Care Staff, Infection Preventionists, Service Line Leaders, Patient Safety Leaders, PFE Leaders

OVERVIEW:
Sepsis mortality continues to be a challenge with sepsis and septic shock as leading causes of death worldwide. Adherence to clinical and operational best practices can profoundly reduce mortality rates and the costs associated with this disease. The HQIC Sepsis Gap Assessment has shown several areas of improvement needed in the clinical and operational tasks of sepsis care and the CMS SEP-1 bundle. Join us to hear how organizations are innovating and improving sepsis care through:

- Application of goals to implement the one-hour bundle,
- Coordination,
- Education,
- Peer to peer feedback, and
- Patient/family engagement.

Part One will provide a "current state" overview and highlight clinical teamwork focused on reducing barriers to timely antibiotic administration and fluid resuscitation. Part Two will host a panel discussion of subject matter experts taking questions on both clinical and operational opportunities across the hospital space.

The sessions will be followed by our podcast series "Speaking of Sepsis", IPRO HQIC's unique spin on partnership with hospitals across the country to improve the care of sepsis patients and reduce mortality. "Speaking of Sepsis" highlights stories of hospitals and healthcare workers innovating and improving sepsis care through clinical and operational implementation of best practices and multi-professional collaboration.

Registration link for the HQIC Fall sepsis series:
<https://tinyurl.com/46ah778j>

Sepsis: Lessons Learned, Part 1 of 2
Date and time: Tuesday, September 19, 2023 2:00 PM | (UTC-04:00) Eastern Time (US & Canada)
Registration link: <https://ipro.webex.com/webex/register/r5a97fd24bda0fd786a7b2d52c65f700c>
PRESENTERS:

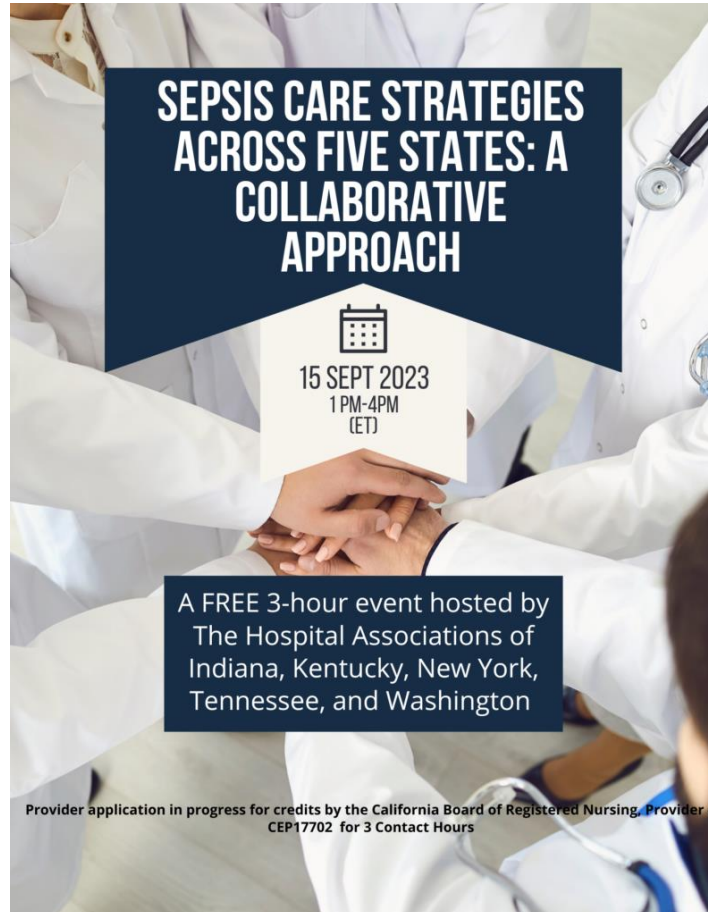
- **Dr. Karan Shah, MD, MMHC** Vice President of Physician Integration Baptist Health
- **Stacey Monarch, BSN, RN, CPHQ** Sepsis Coordinator Baptist Health Louisville

Sepsis: Lessons Learned, Part 2 of 2
Date and time: Tuesday, October 17, 2023 2:00 PM | (UTC-04:00) Eastern Time (US & Canada)
Registration link: <https://ipro.webex.com/webex/register/rca84ade71a10d234f7c9a258d050c023>
PRESENTERS:

- **Dr. Karan Shah, MD, MMHC** Vice President of Physician Integration Baptist Health
- **Stacey Monarch, BSN, RN, CPHQ** Sepsis Coordinator Baptist Health Louisville
- **Deborah R. Campbell, RN-BC, MSN, CPHQ IP, T-CHEST, CCRN Alumna** Vice President of Quality and Health Professions Kentucky Hospital Association
- **Gloria Thorington, RN, CPHQ, CPPS, CLSSBB** Quality Improvement Manager, HQIC Healthcentric Advisors
- **Dr. Thomas Workman Ph.D.** Principal Researcher American Institutes for Research

This material was developed by the IPRO Hospital Quality Improvement Contractor, a collaboration of Healthcentric Advisors, QIarent, Superior Health Quality Alliance, Kentucky Hospital Association, Q3 Health Innovation Partners and IPRO, serving as the CMS Hospital Quality Improvement Contractor under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents do not necessarily reflect CMS policy. Publication #IPRO-HQIC-75k56-23-349 (8/15/23) - CP

Sepsis Awareness Month CE offering



1:00 pm Eastern	Welcome and Announcements	
1:05 pm Eastern	Order Set Utilization and NY State Sepsis Mandates	Gregory Briddick, New York
1:35 pm Eastern	Virtual sepsis coordinators, technology...	<i>Allison R, Glasser, BSPT, MBA, Executive Director, Office of the Chief Medical Officer, Mount Sinai Health System, New York, NY</i>
2:05 pm Eastern	Implementing the Hour-1 Bundle	Karan Shah, Kentucky
2:35 pm Eastern	<i>Improving SEP-1 Compliance and Sepsis Care</i>	<i>Elizabeth Njie BSN, RN, Sepsis Coordinator, Harborview Medical Center, Seattle, WA</i>
3:05 pm Eastern	<i>SIMCO – Improving the Sepsis Handoff</i>	<i>Angel Hutchison, MHL, BSN, RN, LNC, Sepsis Program Coordinator, Methodist Lebonheur Healthcare – University Hospital, Memphis, TN</i>
3:35 pm Eastern	<i>Patient & Family Sepsis Education Strategies</i>	<i>Rebecca Hancock, PhD, RN, CNS Quality & Patient Safety Advisor Indiana Hospital Association, Indianapolis, IN</i>
4:05 pm Eastern	Wran-up	

Sepsis Screening Tool

1. **Suspicion of infection (Y or N)**
2. **SIRS criteria (need 2)**
 - a. Temp >100.9 F (38.3 C) or <96.8 F (36 C)
 - b. HR >90 bpm
 - c. RR >20 bpm
 - d. WBC >12,000 or <4,000 or 10% bands

If YES to 1 & 2 = **POSITIVE** sepsis screen. Order a STAT lactic acid, blood cx x2, CBC, & CMP per protocol. Notify provider.

3. **Organ dysfunction (need one)**
 - a. SBP <90 mmHg or MAP <65 mmHg
 - b. SBP decreases >40 mmHg from baseline
 - c. Creatinine >2 mg/dl or urine output <0.5 ml/kg for 2 hrs
 - d. Bili >2 mg/dl
 - e. Lactate >2mmol/L
 - f. Platelet <100,000
 - g. INR >1.5 or aPTT >60 sec
 - h. Acute resp failure with new invasive/non-invasive mechanical ventilation

YES to 1, 2, + 3 = POSITIVE screen suggestive of SEVERE sepsis



3-Hour Bundle

Stat lactic acid

Blood cx x2 (before ABX)

Broad spectrum ABX started

Isotonic fluid bolus 30ml/kg for:

- MAP <65 mmHg
- SBP <90 mmHg
- Initial lactic acid ≥ 4

6-Hour Bundle

Repeat lactic acid within 6 hrs of time zero if >2

Vasopressors to keep MAP >65 and/or SBP >90

Focused exam with fluid reassessment



Today's presentation



Speaker: Dr. Robert Scoggins, MD PhD: CMO of Cytovale, Medical Director of Critical Care, Respiratory Therapy, and Pulmonary Rehab at Kootenai Health



Can We Deliver Patient-Centered Sepsis Care While Achieving SEP-1 Targets?

CMS has indicated that the SEP-1 bundle will be added to the VBP program. Innovations in technology and improved understanding of sepsis pathophysiology may provide the keys to delivering efficient, effective care to patients, thus improving patient-centered outcomes, as well as enhancing compliance with the SEP-1 metric.

Consortium Trajectory



- High Impact-Low Burden
 - Started with Screening in ED at triage (where most sepsis presents)
 - Included sepsis bundle compliance data collection
 - New metric-blood culture contamination
 - Sprints in progress
- Inpatient Screening and Treatment
 - When sepsis starts in the hospital->worse outcomes
 - Sepsis screening for earlier recognition
 - Will expand consortium participants to those without EDs
- Survey of current state results

Inpatient Screening Survey



- 49 respondents
- Q1- only 255 responded they are not currently screening inpatients.
- Q2 50/50 as far as running automatically in the background v. manually entered into EMR
- Q3 Screening frequency- Almost 40% responded Q12 hours (remember 50% are constantly running in the background)
 - The few remaining were either daily or “as deemed necessary based on condition”
- Wide variation in what is being screened for- more on this later
- Very little data is being collected around this among the responding hospitals and what is collected was reported as not being used consistently.

Next Steps



- Regular schedule
4th Thursday of each month 1-2ET
- **Next webinar:**
 - **September 28, 2023 1-2pm ET**
 - **The Voice of the Patient** with Lori Nerbonne

For questions, contact **Deb Campbell** at dcampbell@kyha.com 502-992-4383