

Sepsis Bundle Overview

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Who Am I?

**Billie Delauder, DNP, MSN/RN, CPHQ,
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KHA Quality Process Improvement
Specialist

- 38 years of nursing experience
- Background in ED, Med-Surg, Nursing
School Administration/Teaching/Clinical
Instructor
- 17 years in Quality/PI
- Abstracting Sepsis from 2015-2023



What Is It?

Sepsis (SEP-1)

- CMS
- Management bundle
- Focuses on management that is:
 - Timely
 - Efficient
 - Effective

Severe Sepsis

To establish the presence of Severe Sepsis: All 3 clinical criteria **must be met** within 6 hours of each other. The 3 clinical criteria do not need to be documented in any order

OR

Physician/APN/PA documentation/diagnosis of Severe Sepsis:

- Physician/APN/PA or Nursing documentation of a source of infection
- Two or More SIRS
- Organ Dysfunction

3-Hour Bundle Components

Key elements:

- Measurement of initial lactate level
- Obtaining blood cultures
- Administering broad-spectrum antibiotics
- Fluid resuscitation

Septic Shock

Use clinical criteria (below)

OR physician/APN/PA documentation of septic shock to identify the presence of septic shock.

ONE of following two criteria must be met:

1. Severe Sepsis Present **AND** Persistent Hypotension evidenced by:
 - Persistent hypotension **or** new onset of hypotension was present w/in 1 hour after the target ordered volume of crystalloid fluids (CF) was completely infused.
2. Severe Sepsis Present **AND** Tissue hypoperfusion evidenced by:
 - Initial LA Result is greater than or equal to 4 mmol/L.

6-Hour Bundle Components

Key Elements:

- Reassessment of volume status and tissue perfusion
- Vasopressor administration
- Repeat lactate measurement

Documentation & Compliance

- Time Zero
- Interventions
- Reassessments

How to Approach...

- All-or-Nothing
- Team-based approach
- Protocols & order sets
- Education & training
- Monitoring & feedback
- Participation in improvement programs

Keys to Success

- Teamwork
- Documentation
- Communication
- Consistency

Why Such a Fuss?

Core Measures are not just a regulation, they are the right thing to do to make sure our patients get the best care based on research and evidence!

Questions?

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Resources:

- <https://sepsisprogramoptimization.com/spo-bundles>
- <https://www.cms.gov/files/document/patientsafetysepsistepsumm-508.pdf>
- <https://www.esicm.org/ictv-ssc-2018-bundle-update-icm/>
- <https://www.cdc.gov/sepsis/hcp/core-elements/index.htm>