

Severe Sepsis Bundles:

Sepsis Resuscitation Bundle

(To be accomplished as soon as possible and scored over first 6 hours):

1. Serum lactate measured.
2. Blood cultures obtained prior to antibiotic administration.
3. From the time of presentation, broad-spectrum antibiotics administered within 3 hours for ED admissions and 1 hour for non-ED ICU admissions.
4. In the event of hypotension and/or lactate > 4 mmol/L (36 mg/dl):
 - a) Deliver an initial minimum of 20 ml/kg of crystalloid (or colloid equivalent*).
 - b) Apply vasopressors for hypotension not responding to initial fluid resuscitation to maintain mean arterial pressure (MAP) \geq 65 mm Hg.
5. In the event of persistent hypotension despite fluid resuscitation (septic shock) and/or lactate > 4 mmol/L (36 mg/dl):
 - a) Achieve central venous pressure (CVP) of \geq 8 mm Hg.
 - b) Achieve central venous oxygen saturation (ScvO₂) of \geq 70%.**

Sepsis Management Bundle

(To be accomplished as soon as possible and scored over first 24 hours):

1. Low-dose steroids* administered for septic shock in accordance with a standardized ICU policy.
2. Drotrecogin alfa (activated) administered in accordance with a standardized ICU policy.
3. Glucose control maintained \geq lower limit of normal, but < 150 mg/dl (8.3 mmol/L).
4. Inspiratory plateau pressures maintained < 30 cm H₂O for mechanically ventilated patients.

*See the individual chart measurement tool for an equivalency chart.

**Achieving a mixed venous oxygen saturation (SvO₂) of 65% is an acceptable alternative.