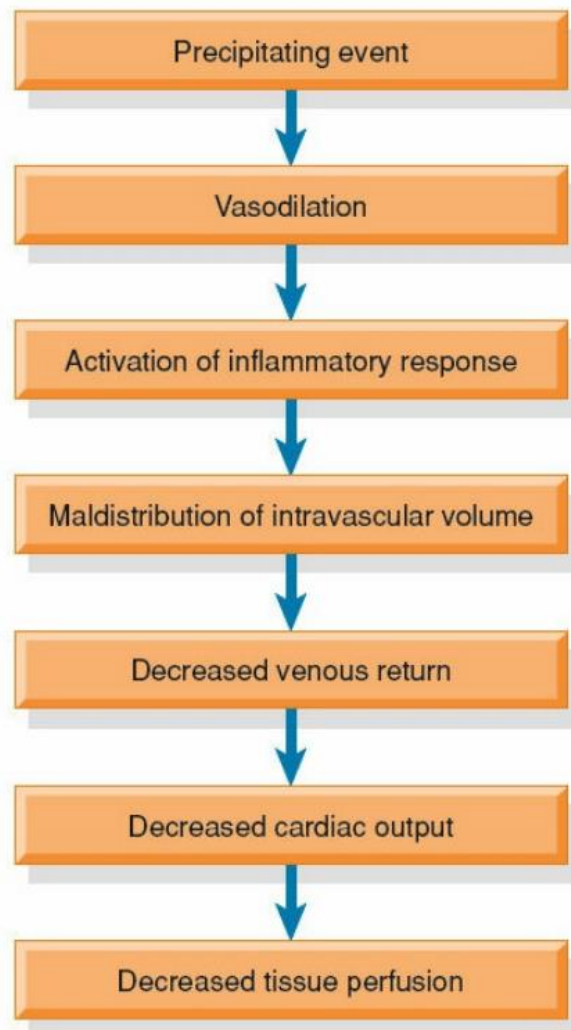


- ❖ **sepsis** is “life-threatening organ dysfunction caused by a dysregulated host response to infection”.
- ❖ **More than 30 million people suffer or die from sepsis worldwide (World Sepsis Day 970 Fact Sheet, 2015)**

## Physiology/Pathophysiology



- ❖ **Nurses should identify patients who are at particular risk for sepsis and septic shock** (i.e., older adults and immunosuppressed patients and those with extensive trauma, burns, or diabetes)
- ❖ **Confusion** may be the first sign of infection and sepsis in older adult patients.

### Failure Assessment [SOFA] Score)

SOFA Score	1	2	3	4
<b>Respiration</b> PaO <sub>2</sub> /FiO <sub>2</sub> , mm Hg	<400	<300	<200	<100 —with respiratory support—
<b>Coagulation</b> Platelets × 10 <sup>3</sup> /mm <sup>3</sup>	<150	<100	<50	<20
<b>Liver</b> Bilirubin, mg/dL (μmol/L)	1.2–1.9 (20–32)	2.0–5.9 (33–101)	6.0–11.9 (102–204)	>12.0 (>204)
<b>Cardiovascular</b> Hypotension	MAP <70 mm Hg	Dopamine ≤5 or dobutamine (any dose) <sup>a</sup>	Dopamine >5 or epinephrine ≤0.1 or norepinephrine ≤0.1	Dopamine >15 or epinephrine >0.1 or norepinephrine >0.1
<b>Central Nervous System</b> Glasgow Coma Scale	13–14	10–12	6–9	<6
<b>Renal</b> Creatinine, mg/dL (μmol/L) or urine output	1.2–1.9 (110–170)	2.0–3.4 (171–299)	3.5–4.9 (300–440) or <500 mL/day	>5.0 (>440) or <200 mL/day

MAP, mean arterial pressure.

<sup>a</sup>Adrenergic agents given for at least 1 hour (doses given are in μg/kg·min).

❖ **A drop of 2 points or more in a patient's SOFA score from baseline is suggestive of organ dysfunction**

