



SEPSIS

A life-threatening condition triggered by infection that affects organ function. It is treated most effectively if recognised early

So who needs to get the Sepsis 6?
Patients with infection +1,2 or 3

1

Patients who present unwell who are at risk of neutropenia, e.g. on anti-cancer treatment.

2

Any 1 of the following signs of acute organ dysfunction:

- Altered Mental State
- RR > 30
- O₂ Sat < 90%
- SBP < 100
- HR > 130
- Mottled or ashen appearance
- Non-blanching rash
- Other organ dysfunction

3

Patients with co-morbidities plus ≥ 2 Modified SIRS criteria

Modified SIRS criteria:

- RR ≥ 20
- HR > 90
- Temp > 38.3°C or < 36°C
- BSL > 7.7 mmol/l (in non-diabetic patient)

Co-morbidities:

- Age ≥ 75 years
- Frailty
- Diabetes Mellitus
- Cancer
- COPD
- Chronic kidney disease
- Chronic liver disease
- HIV/AIDS infection
- Immunosuppressed
- Major trauma and surgery in the past 6 weeks

Just by doing these six simple things **in the 1st hour** you can double your patient's chance of survival

Sepsis 6

Take 3

Bloods Cultures
(before 1 dose antimicrobial)

Blood tests
(including POC Lactate)

Urine Output
(as part of perfusion status assessment)

Give 3

Oxygen
(if required)

I.V. Fluid
(if deficit)

I.V. Antimicrobials
(local guidelines)

1ST HOUR BUNDLE:

- Sepsis 6 completed (O₂, Fluids, Antimicrobials, Cultures, Tests, UOP)

Assess your patient's response

3-HOUR BUNDLE:

- Diagnosis and treatment reviewed with blood and other test results
- Sepsis/Septic shock diagnosed and documented as appropriate
- Lactate repeated if 1st abnormal
- Assess need for Source Control
- Patient care escalated to specialist care as required

6-HOUR BUNDLE:

- Patient diagnosis and treatment reviewed
- Is your patient responding, stabilising or deteriorating?
- Pressors commenced in patients with fluid resistant shock

For more information go to www.hse.ie/sepsis



Feidhmeannacht na Seirbhíse Sláinte
Health Service Executive

Tús Áite do
Shábháilteacht **1** Othar
Patient Safety **1** First

**NATIONAL
CLINICAL
EFFECTIVENESS
COMMITTEE**