



Sepsis6 At First Contact Evaluation

A Network Approach to delivering the SEPSIS6 Care Package

4th Regional Emergency Department Collaborative







SAFE



SEPSIS6 At First Contact Evaluation Introduction and Background

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SAFE – SEPSIS6 At First-Contact Evaluation



Abstract: Whilst in a Semi – Urban Location Delivery of SEPSIS6 within one hour of diagnosis would seem probable. In reality our Paramedic Practitioners were often unable to help (except of Oxygen & IV Fluids) care for seriously ill sepsis patients, whilst waiting for an Emergency Ambulance [Target mean 18 Minutes, 90th Percentile 40 Minutes (Diag. 3.3)]. Handover, Reassessment & Documentation by the Ambulance Crew, traffic in to RBH can be awful even with blue lights. On busy winter pressures days, there can be a delay in the crew handing over to the hospital team, who only then can start the key elements of SEPSIS6, i.e. IV Antibiotics.

SEPSIS6 At First-contact Evaluation, a Sepsis Care Quality Improvement Pilot Proposal between Wokingham GP Alliance Paramedic Practitioner - Home Visit Project & Royal Berkshire Hospital NHS Foundation Trust – Emergency Department, will deliver Emergency Department lead SEPSIS6 care at the bedside in the patient's own home immediately on diagnosis.







Problem Description



THE SEPSIS

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- •In the UK, sepsis admission mortality is 35% which equates to 44,000 deaths and 150,000 hospital admissions.
- •Five fold higher mortality than MI and Stroke
- •Sepsis is time-critical, and in cases of septic shock every hour that appropriate antibiotic administration is delayed, there is an 8% increase in mortality.
- •Even if all target timings hit their NHS system wide targets time to delivery of SEPSIS6 treatment would be 108 minutes
- •During winter pressures this can rise to 230 minutes (Diag. 3.2). This suggests mortality could be increased by as much as 14% with optimal timings and 30% during winter pressures in septic shock or red flag sepsis.
- During the time the Practitioner is waiting for the ambulance and during transfer to hospital only two elements of SEPSIS6 are delivered, notably excluding the key IV Antibiotic Elements.





































