

The Exponential Cost of Sepsis

Understanding the Costliest Condition for US Hospitals



Sepsis is now the leading cause of death in the US hospitals with...

1.6+ Million
annual sepsis diagnoses

of which

40%
with severe sepsis do not survive

and a

180% increase
in hospitalization of adults since 2012

The rising prevalence of sepsis poses a significant clinical and financial concern for hospital leaders, who may not realize the exponential cost and devastating clinical impact sepsis has on the majority of US hospitals.

Two Sides of the Same Issue

A Growing Concern for CFOs



#1
cost of hospitalization in the US, more than double any other conditions⁽³⁾



6.2%
of total hospital costs are created by sepsis admissions⁽⁴⁾



#1
cause of readmissions costing more than \$3 billion in readmissions alone⁽¹⁾

A Familiar Foe for CMOs



86%
of physicians state sepsis symptoms are misattributed to other conditions⁽⁵⁾



45%
of physicians say they see an opportunity to more accurately identify and communicate sepsis⁽⁵⁾



30%
of sepsis patient's blood cultures present a false positive, leading to more tests and delayed treatment⁽⁵⁾

A Hospital-Wide Issue



3% of Emergency Department Admissions⁽⁶⁾

The average cost per sepsis case: **\$32,000 - \$88,000**^(7,8)



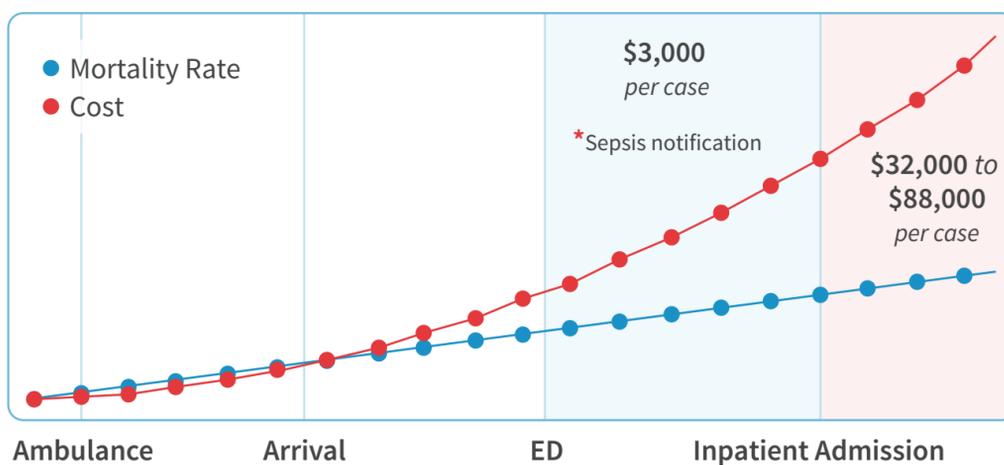
62% of patients diagnosed with sepsis are readmitted within 30 days⁽¹⁰⁾

Negatively impacting quality scores and costing an **additional \$10,070/readmission**⁽¹¹⁾



1 hour of delayed treatment increases mortality by 7.6%⁽⁹⁾

Every hour of delayed treatment **increases the cost/case exponentially**



\$32,000/case
when detected AFTER Admission⁽⁷⁾

VS

\$3,000/case
when detected EARLY in ED⁽¹²⁾

Opportunity to Improve with Early Identification and Treatment



80% of sepsis deaths could be prevented with rapid diagnosis and treatment⁽¹⁾



98% accuracy of suspect sepsis notification within ED using machine learning and data science⁽¹²⁾



Increasing time to treat sepsis is the key to realizing the clinical and financial opportunities available to hospital leaders. Early identification saves lives and reduces costs.

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