You Can Stop Sepsis in Its Tracks

There are more than 750,000 cases of sepsis annually, making the incidence of sepsis higher than that of breast cancer, AIDS or first myocardial infarction. Yet it remains the most preventable cause of death worldwide.

Hospitals around the U.S. are changing their approach from one that treats sepsis to one that prevents it. With Jvion’s AI-enabled prescriptive analytics, clinicians are able to find sepsis before sepsis presents.

Jvion Drives Results:

Reduction in sepsis incidences 10%
Reduction in resource demands 45%
Total (potential) cost avoidance $1.6M
How Jvion Prevents Sepsis

**Without Jvion**
- Patient admitted to hospital for major surgical procedure
- Surgery goes well. No complications.

**With Jvion**
- Patient admitted to hospital for major surgical procedure.
- Surgery goes well. No complications.

**Secondary Prevention**
- RN D/C Foley POD 2
- Assesses surgical incision
- Patient continues with mobilization and incentive spirometer use

**POD 2**
- Patient transferred to medical-surgical unit.

**Secondary Prevention**
- MD notes suspicion of sepsis
- MD orders blood cultures, IV Albumin and IV antibiotics

**POD 9**
- Patient still confused
- No urine output since 11pm
- Vitals at 11am: HR 120, RR 11, SBP 81, T 35.6

**Tertiary Prevention**
- Preventing Sequelae
  - Patient transferred to ICU on POD 9
  - Lactate drawn POD 10

**POD 8**
- Patient confused / hallucinating
- Vitals at 3pm: HR 115, RR 18, SBP 89, T 35.3

**Secondary Prevention AI**
- Rapid Recognition & Management
  - RN orders lactate & CBC
  - RN escalates to MD to increase sepsis surveillance
  - MD orders cultures, antibiotics, fluid

**Primary prevention AI**
- RN receives alert for high risk for sepsis
- RN monitors potential sources of infection
- RN helps patient with incentive spirometer
- RN and healthcare team ensure diligence with hand hygiene

**Patient deceased one month post procedure**

**Patient released from hospital to go home.**
Prevent Harm with Prescriptive Analytics from Jvion

At Jvion, we empower clinicians with the information they need to improve patient outcomes by making sense of clinical and non-clinical data about their patient. We call our one-of-a-kind approach *Prescriptive Analytics for Preventable Harm*.

The Jvion Approach in Action
- Target patients on a trajectory toward a sepsis event
- Determine if something can be done to change the outcome
- If so, swiftly identify the most effective interventions that will mitigate a patient’s risk.

See who is at risk well before any clinical signs are present; shift sepsis prevention efforts from secondary to primary; improve outcomes; reduce resource demands.

Get in touch on the web, social media or via email to learn more about Jvion’s approach to preventing harm with AI-enabled prescriptive analytics.

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download case study
visit jvion.com
e-mail contact@jvion.com
find us on social media @jvionhealth

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