

Helping save lives by providing actionable information

Healthcare organizations face critical challenges in delivering quality patient care. Clinicians are awash with data from multiple non-integrated sources – in-room monitors, the EMR, and other systems collecting data. Clinicians have to manually traverse these sources to obtain a complete picture of the patient's condition and care journey. The lack of "complete patient picture", hinders the care team's ability to detect complications and at-risk patients early, which can lead to Failure-to-Rescue events.

Continuous Surveillance and Electronic Triage

InsightIQ™ provides continuous critical-condition surveillance, with evidence-based algorithms (digitized protocols) to help the care team detect signs of clinical decompensation that could be life threatening or warrant urgent transfer to a higher level of care. Configurable dashboards provide "at-a-glance" visualization of relevant clinical information, customized for a specific hospital or care area, that enables the clinical team to accelerate interventions and improve patient outcomes.



The **Unit View**, the typical landing page for clinicians, shows all patient beds in the unit.

- Helps clinicians to **prioritize attention to at-risk patients** (highlighted as "red" or "yellow")
- Provides **situational awareness at-a-glance** during time-sensitive critical situations

This dashboard shows a 15-bed ICU with four patients that might require attention for possible Sepsis or Ventilation issues.

These four patient tiles or beds are highlighted in red and are displayed along the top with additional details.

Clicking on any of the individual "tiles" will take the clinician to the **patient view** - a detailed view of the Patient's condition.

In a similar style dashboard, The **Enterprise View** (not shown here), helps the clinicians visualize critical patients throughout the hospital system (single or multiple facilities), which can help remote clinicians in conjunction with the bedside team develop their strategy for patient care.



The **Patient View** enables **situational awareness at-a-glance** during time-sensitive critical situations.

- Color codes of lab results, vitals, and protocol status, to **help clinicians prioritize attention to critical, at-risk patients**. Yellow and Red items require immediate intervention.
- **Digitized peer-reviewed** or hospital specific **protocols** of care to optimize clinical workflow and improve guideline compliance.
- In the example, the patient has been confirmed with a **positive Sepsis Screen** (Bundle being red).
- **Actionable insights are embedded within the visual workflow** - in this example, the Early Goal Directed Therapy tasks for Sepsis management are displayed.

Integration and Implementation

InsightIQ aggregates data from multiple sources - EMR, pharmacy, and various sources of patient data into a unified data platform. Implementation of DECISIO platform can be accomplished in weeks. DECISIO can help the overburdened hospital IT team with data integration and implementation activities.

Peer Reviewed Published Results



Rapid Response

Potential **\$12M annualized savings realized** from 4.7 day reduction in LOS with an associated **47% reduction** of in-hospital mortality



Emergency

12% reduction in adjusted mortality rate and 6.5% reduction in LOS in patients admitted through the ED



Stroke

54% reduction in average door-to-needle (DTN) time for medication (tPA) administration

300% increase in patients receiving medication (tPA) within 45 minutes



Sepsis

>50% reduction in ICU and hospital LOS from positive sepsis screening

Potential **increase in \$3.6M annual revenue** from improved documentation



Intensive Care (ICU)

46% decrease in patients ventilated at Tidal Volume > 8 ml/kg

23% reduction in overall AKI incidence

15% reduction in mortality in unplanned ICU transfer patients within 24-hours of hospital ward admission from the ED

Our clients have reported significant reductions with Hospital Acquired Conditions like Sepsis, AKI, and others, as well as reductions in LOS across multiple acute care areas.

Return on Investment

InsightIQ helps clinicians triage patients in all care areas, reduce complications in the critical care phase, and provides continuous surveillance of floor patients to improve patient care quality and the length of stay (LOS). Our clients have seen improved patient outcomes and reduced costs in:

- Failure-to-Rescue and Hospital Acquired Complications (HAC - Sepsis, AKI, Infections) - for ED, ICU, and floor units
- Unplanned ICU transfers or "Bounce Backs" from general floors and ED
- Intervention time for Ischemic stroke patients, and for general floor patients by rapid response
- Compliance with the unit's protocols and standards of care
- Patient mortality and long-term complications

With just a 10% improvement in complication rate (including reduction in unplanned ICU transfers, reduction in Failure-to-Rescue events, reduction in hospital acquired infections) and associated LOS, **a representative 400-bed hospital can realize over 4x Return-on-Investment** after the implementation of InsightIQ.