Synchronize your movements in the Emergency Department for better operational outcomes

Orchestrated workflows enable instant, accurate decisions

You never know what a day in the Emergency Department (ED) will bring. But at least you'll know how your teams will handle it. Introducing the Tagnos ED Flow Solution, patented software that automatically captures and shares important metrics from the moment a patient arrives in the ED — helping your team make more informed decisions that reduce patient wait times, improve room turnovers and expedite care delivery.

CAPTURE REAL-TIME INSIGHTS AUTOMATICALLY

The Tagnos ED Flow Solution combines real-time location data with a robust workflow engine, making it easier for you to identify and route patients, assets and staff. Integrate the software into the majority of clinical information systems — including EHR, CPOE, LIS/RIS and more — to access and communicate critical workflow data from any mobile device.

MOVE INFORMATION SEAMLESSLY TO MOVE PATIENTS QUICKLY

IMPROVE BED/ ROOM TURNOVER

Orchestrate staff and patient movements from check-in to discharge with real-time alerts and updates.

REDUCE WAIT TIMES

Maintain more accurate staffing levels and dispense assets quickly to minimize delays that can impact length of stay (LOS).

INSIGHTFUL PATIENT-STAFF INTERACTIONS

View into staff and patient movements from arrival to registration, room and MD ensures timely, proactive care.

FORECAST PATIENT CENSUS WITH PREDICTIVE AI

Take advantage of Tagnos artificial intelligence (AI) algorithms to identify historical and live data patterns throughout the patient care cycle, from check-in to discharge. Use the data to forecast potential patient census and caseloads — and staff accordingly to enhance the overall quality of care, bolster patient safety, and reduce mortality rates and flex staffing needs.

CREATE HIGH-PERFORMING ED OPERATIONS

Mobilize accurate decision-making
Your teams work quickly. Make sure the information they require for care moves with them. Send and receive live alerts, updates and more on any hospital mobile device to improve time-to-treatment and room turnover rates.

Streamline workflows
The combination of real-time information and predictive AI algorithms delivers a powerful tool that enables EDs to manage every sequence of care more efficiently. Share incoming census with critical service lines, such as labs and radiology, to improve patient throughput and minimize Left Without Being Seen (LWBS) patients.

Improve clinical outcomes
An organized ED is a by-product of the Tagnos platform — better utilization of staff and assets allows you to maximize the usage of resources for critical cases like Stroke, STEMI and Sepsis. Track and set proactive alerts for better door-to-treatment outcomes.

TAGNOS ED PATIENT FLOW SOLUTION

An integrated platform that aligns staff movements with care delivery sequences to simplify patient workflows in the ED.

1 Arrival, Registration and Intake

- Census prediction for the day provided by AI algorithms; staffing levels adjusted in real time
- Patient receives RFID wristband; initiates patient flow capture
- Triage nurse alerted that patient is ready for assessment (wait time thresholds set)

2 Triage

- Triage nurse identifies Mobile EKG location, has it transported to triage room to monitor patient's vital signs
- Overall equipment utilization captured for inventory management
- Triage nurse determines patient is experiencing severe symptoms; notifies physician of urgency; patient-staff interactions captured
- Alert threshold set for time to patient assessment
- Transport team informed of patient's severity and quickly moves patient to Exam Room

3 Examination Room

- Physician assesses patient and orders CT scan; entry and exit from room captured for Arrival-to-Doctor times
- Patient labeled critical; sense of urgency relayed to team via mobile app for immediate transport
- Staff entry and exit times recorded to capture staff-to-patient interactions, showing high level of care attention

4 Imaging & Evaluation

- Assets used during evaluation moved to designated cleaning area; equipment automatically marked dirty
- Radiology alerted of incoming critical patient; scan begins and capture of patient arrival to CT recorded
- 45-minute benchmark for interpretation of CT scan results approaching; Physician alerted and movement into evaluation room captured

5 Discharge or In-Patient

- Nurse receives alert to transport patient with heart attack diagnosis to in-patient surgery, and initiates room turnover process
- RFID wristband removed to complete cycle-time capture

6 Reports to Improve Outcomes

- Pinpoint areas of wasted time for process improvement initiatives with LOS reporting
- Control infections by identifying assets, staff and rooms once in contact with quarantined patients
- Measure MD, Nurse and critical asset movements to ensure delivery of high-quality patient care within optimal arrival-to-treatment thresholds

WRISTBAND	ALERT	STAFF	ASSETS	ANALYTICS	REPORTS

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