

What can enhanced clinical surveillance do for you?

Optimizing care delivery by bringing technology, processes and people together.

Intelligent middleware is a critical component for enhanced clinical surveillance.

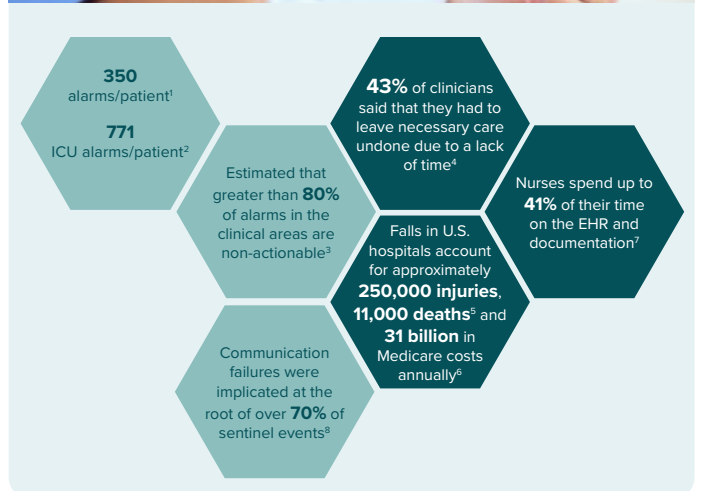
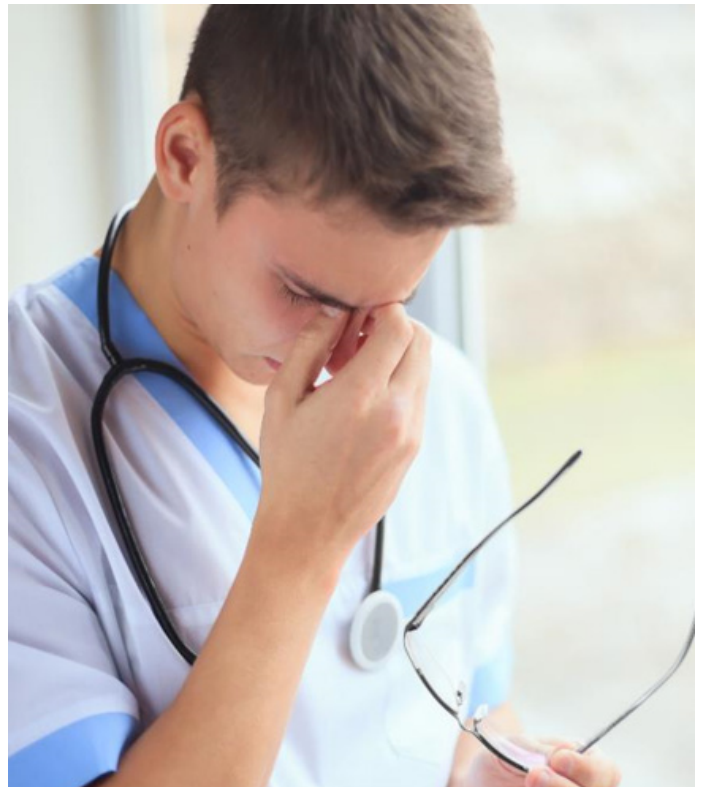
Clinicians know the real impacts of not having the proper technology from cognitive overload, alarm fatigue, increased falls risks to medical errors, and more. But your technology is only as good as your processes and workflows.

When you consider that clinicians face cognitive overload due to the sheer volume of daily calls, texts, alerts, alarms and notifications, and you add the complexity of information from multiple sources, like patient monitors, ventilators and other clinical systems, it becomes crucial to work in a better way.

By optimizing processes and workflows with Ascom's intelligent middleware, we can help you deliver the right information at the right time to the right person without burdening clinicians with information not relevant to their decision making.

Technology Solutions for Today's Healthcare Challenges

We all know the challenges in today's clinical environment. With 50% of the nursing workforce over the age of 50 and of that 1/5th planning to retire in the next 5 years, hospitals will have to find new ways to staff an experienced clinical team. As seasoned nurses leave the workforce, patient care strategies and institutional knowledge leave with them, and you need new strategies to prepare new, less experienced nurses. Fortunately, technology solutions, like clinical surveillance and new care models are addressing the experience – complexity gap and will only increase in importance going forward.



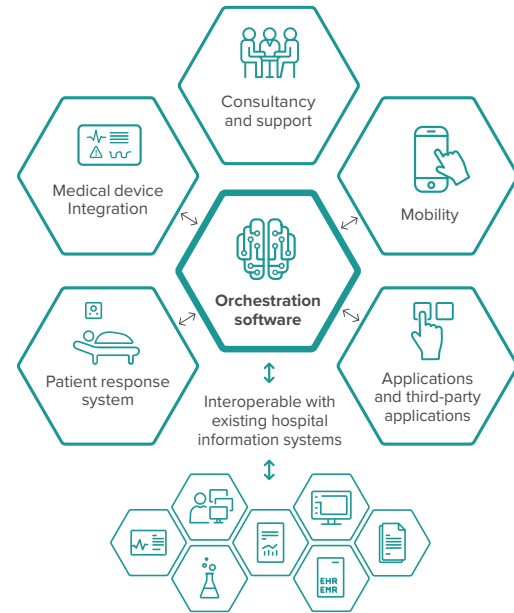
Ascom Healthcare Platform – Transforming New Care Models

Leverage the power of the Ascom Healthcare Platform by combining **medical device integration, intelligent alarm / alert management and advanced visualization** (centralized and / or mobile) to help transform care delivery models.

Ascom uses a **vendor agnostic approach** to enhanced clinical surveillance, providing customers flexibility to surveil devices and systems that may otherwise not be monitored. This approach gives **near-real-time alerting with context and relevancy**, to make informed clinical decisions, all while reducing potential latency in caregiver response times.

See how our enhanced clinical surveillance is **transforming traditional centralized monitoring, remote patient monitoring (RPM) and virtual care**. Experience clinical oversight for near real time engagement and streamline workflows that:

- ✓ Provide the monitoring technician the ability to review all patient monitor alarm notifications and determine escalation needs
- ✓ Allow the monitoring technician to send only actionable alarm notifications to an assigned caregiver's mobile device
- ✓ Help minimize alarm fatigue, reducing alarm notifications received by caregivers
- ✓ Allow single point of oversight to dispatch only those alert messages that require action
- ✓ Give options to send alert message to assigned caregiver or change the assignment based on task or knowledge requirements
- ✓ Facilitate adding customized notes or instructions to caregiver if additional information is crucial to carrying out the task



Connecting Care with Ascom's Integrated Dashboard

Integration: Connecting care devices and hospital information systems to help clinicians unlock valuable care information.

Orchestration: Filtering, prioritizing and extending the flow of information to clinicians for responsive, informed decisions.

Enabling: Structuring data to add context that enhances timely care coordination and communication across mobile teams to address patient needs.

- At a glance, patient-centric view of all connected medical devices at a care unit level (400+ devices)
- See individual patient's live data feeds and alarms away from the bedside
- Receive display parameters, alarms, waveforms, trends and live video of a patient for full contextual awareness



An Enhanced Clinical Surveillance example - GE HealthCare's Digital Central Monitoring Unit supported by Ascom Unite

Connecting Care with Ascom's Integrated Dashboard

The **Digital Central Monitoring Unit (DCMU)** is an example from GE HealthCare combining enhanced clinical surveillance with intelligent middleware to integrate, orchestrate and enable optimized care delivery in the management of cardiac telemetry alarms. It consists of three major components:

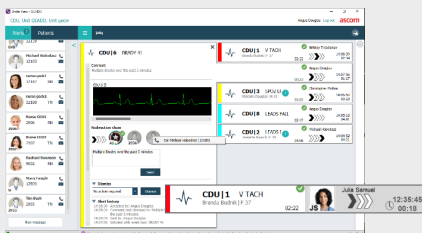
- Telemetry monitoring devices
- Centralized monitoring unit (CMU) alarm dashboard with dispatch, mobile data visualization and unified clinical communication
- Alarm analytics with reporting capabilities and consulting services

In the context of GE HealthCare's DCMU, Ascom Unite's vendor agnostic and intelligent middleware provides the medical device integration to cardiac telemetry systems. Ascom Unite enables enhanced clinical surveillance and alarm / alert management delivered with mobile data visualization and unified clinical communication.

Features:

DCMU alarm dashboard with dispatch

- Care standardization
- One-touch dispatch
- Intelligent escalation
- Process oversight
- Automated reporting
- Telemetry cessation protocols



Mobile data visualization and unified clinical communication

- Streaming waveforms
- Event notification and review
- Waveform "snippet" management
- Unified communications and collaboration tools



Alarm analytics and consulting services

- Alarm reporting capabilities
- KPIs and business intelligence
- Process improvement
- Alarm settings to fit unit workflow



Intelligent alarm filtering-escalation-context-reporting

Key Takeaway

Implementing GE HealthCare's Digital Centralized Monitoring Unit (DCMU) can help reduce alarm burden for staff and patients, with fewer alarms sent to clinicians and improved response times. To learn more, read an abstract published in *Circulation* from the American Heart Association. [https://www.ahajournals.org/doi/10.1161/circ.148.suppl_1.14830]

References

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