

Clinical Alarm Management

PROFESSIONAL SERVICES



Reduce distraction

Improve nursing efficiency and safety



- **Improve key metrics including response time and time-in-room.**
- **Manage nursing operations efficiently. Do more with less.**
- **Address Joint Commission requirements and optimize alarm notification.**
- **Retain nursing talent and improve job satisfaction.**
- **Uncover latent problems and imbalances in workload.**

Having the right information at hand to make decisions is critical to running efficient nursing operations.

The Challenge

Alarm and notification data is isolated in many different systems in clinical environments. This data, if properly extracted, scrubbed, and organized can inform critical decisions around alarm and notification management.

But, in most hospital organizations, the nursing informatics teams are already operating at full capacity. This makes it difficult to satisfy requests for information, and prevents management from getting the information they need.

Embarking on a mission to build a comprehensive alarm analytics system in house dilutes focus and results in a longer path to success. (Or in many cases, repeated program failures).

Technology alone has proven ineffective in effecting change. It requires a high degree of focus and expertise to properly interpret data, prioritize corrective action, and make data-based recommendations.

The Team

Lone Star Communications effectively combines an experienced team with a comprehensive, multi-source alarm analytics-as-a-service platform. The service is supported by a data science team with extensive expertise in data structures and alarm management.

**TEAM +
TECHNOLOGY =
SUCCESS**

Your project will be assigned a Clinical Application Specialist (CAS) that is dedicated to supporting your team, driving the implementation and ensuring the success of the program.

They are backed by a team of specialists that can advise on alarm management approaches and direct the data science team that custom-configures your portal, dashboards, and portfolio of reports. Their mission includes the training and support needed to integrate Insights, the Alarm Analytics-as-a-Service platform into daily operations.

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The Technology

To support data-based decision making, the Clinical Alarm Specialist leverages various dashboards and reports from Insights.

Insights has helped many hospitals to optimize their alarm and notification environment by collecting data from multiple sources, organizing the information by role or initiative, and providing output in the form of dashboards and reports.

With an experienced team to interpret information, the data that is typically trapped in various modalities and systems is brought to life and helps to inform critical alarm management decisions.

The system enables the user to select various time ranges, hospitals, units, and alarm types to provide instant visibility into operations.

The report engine is also highly configurable, enabling reports that range from long-term trend analysis to short-term views of all alarm activity for a single room over the past shift (as an example).



An Effective Combination

Having data instantly available that encompasses all sources of alarms combined with a team that can focus extensive alarm management expertise enables a rapid transformation of your hospital's alarm management environment.

The 10 Step Process

Lone Star employs a multi-step approach to continuous improvement in the clinical alarm management discipline:

- Meet with management to identify process champions, determine initiatives/objectives and priorities
- Install Insights and collect initial data for analysis
- Document workflows in current state & interface with alarm committee and key constituents
- Deliver current state assessment of alarm environment (example: R5, Vocera, Phillips, etc.)
- Build-out dashboard visualizations and reports corresponding to objectives and roles
- Work with process champions to form initial recommendations on initial improvement cycle
- Secure approval. Build-out training and communications on workflow updates.
- Implement and go-live on round-1 changes. Support rollout of training to clinical team.
- Post-implementation analysis of round-1 changes leveraging analytics tool and data interpretation
- Repeat discovery, recommendation, and implementation cycle until objectives are met.

Ongoing support

- Regular monitoring of alarm/notification data for anomalies and trends
- Representation on Alarm Committee as requested
- Adaptation of dashboards and reports to meet changing needs and new initiatives.
- Point training for new users when added