ALARM MANAGEMENT
## Leveraging the Power of Alarm Analytics

With comprehensive information on the alarm environment, hospitals can improve the quality of patient experience, enable efficiency, and reduce risk.

Accurate, real-time data is critical for a high-performing Alarm Committee. Having a clear understanding of alarm behaviors helps to prioritize corrective action.

NON-URGENT   URGENT   CRITICAL
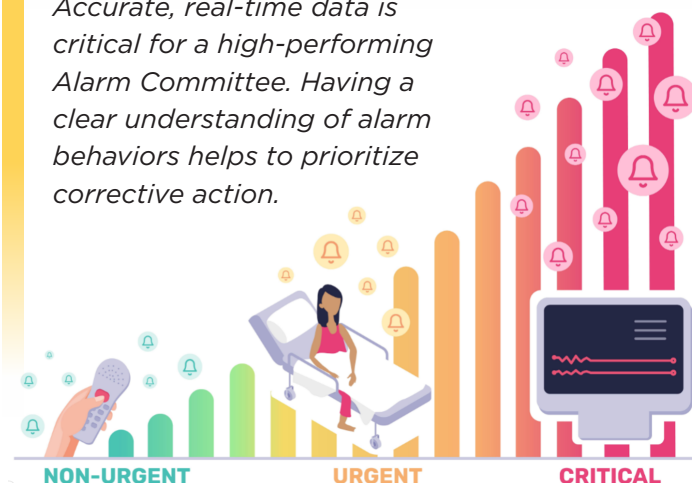
MANAGE YOUR ALARM ENVIRONMENT TO:

- Eliminate Nuisance Alarms
- Address Joint Commission Requirements
- Reduce Alarm Fatigue
- Improve Rounding Effectiveness
- Eliminate over-notification
- Balance workload and identify response time issues

■ Alarm Overload Creates Several Challenges

Alarm fatigue is the result of hundreds of alarms bombarding the nursing team every shift. Alarm Insights highlights quick fixes that typically cut the total alarm count in half, enabling more sanity and safety across the unit or hospital.

The AACN quotes that over 75% of alarms are self-correcting or nuisance alarms.
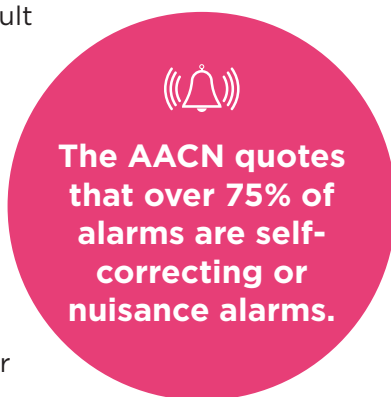
■ Ensuring Proper Alarm Classifications

A key element of alarm management is the proper classification of alarms. Before re-classifying alarm types, the average hospital ranks 53% of alarms as red alarms. Aligning classifications with best practices, and/or hospital policy eliminates unnecessary strain on the system.

■ The Secret to Alarm Management is Visibility

"You can't manage what you can't measure." Analytics immediately provides a baseline, such that key metrics can be tracked for progress.

Leveraging multiple alarm sources as inputs, the complete picture becomes clear, facilitating data-based decision making.

Conversely, making changes without supporting data is a trial-and-error situation, inducing risk, and generally slowing the pace of change.

■ Alarm Management and Patient Safety

Analytics can be used to identify peak alarm periods for different alarm types in order to manage staff levels and personnel mix, or to schedule shift changes, medication delivery, etc.

A more tactical use case involves Shift Change Reports. They have become a very important tool in identifying high risk patients, enabling nursing management to proactively round, or adjust the approach to patient care to reduce risk.

Alarm Analytics

Alairo
Insights

CAPABILITIES:

■ **Automated Data Collection:**

Eliminates the time and effort involved with manually extracting data from multiple databases or logs. Data is always available.

■ **Dashboards, Reports, and Mobile**

A fully customizable portal is accompanied by emailed reports and individual room alarm summaries on mobile devices.

■ **Organized by Initiative**

Based on best practices, information is organized to support various initiatives or trends. *(See info at right)*.

■ **Speed to Data**

A few clicks and a few seconds is all it takes to get the data needed to identify potential problem areas or trace recent activity

■ **Multiple Data Sources**

- RTLS
- Nurse Call
- Communications
- HCAHPS survey info
- Patient Monitors
- EMR / middleware

■ **Correlation**

Analytics applied to a single source doesn't tell the whole story. Overlaying different modalities gives management the complete view.

■ **Decision Support by Design**

Various portal views are laid-out to quickly prioritize and evaluate changes, aided by predictive modeling functionality.

ALARM MANAGEMENT – RELATED PROGRAMS:

Comprehensive alarm and notification data enables the prioritization and execution of key initiatives:

QUIET AT NIGHT
ALARM FATIGUE
NURSING RETENTION

- Reduce overall quantity of alarms, particularly self-correcting or nuisance alarms
- Adjust notifications to eliminate illogical call routing or escalation
- Reduce overall stress levels

IMPROVED HCAHPS SCORES
JOINT COMMISSION NPSG #6

- Improve patient satisfaction due to overall quieter environments and better rest
- Better patient outcomes
- Improved Nurse-Patient relationships
- Faster Nursing response times
- Score higher on staff performance survey criteria

FALL PREVENTION

- Identify high-risk patients at shift changes
- Adjust/modify room assignments or care plans to reduce risk
- Adapt rounding sequence to be more purposeful & proactive for high-risk patients
- Correlate alert sequences to proactively avoid high risk scenarios