AWARE®

Alarm Management and Reporting
Turning Alarm Fatigue Into Alarm Sense

🔔 Eliminating Alarm Fatigue

- Assists in identifying and eliminating nuisance alarms, allowing healthcare professionals to focus on patient care

- Aids hospitals in achieving The Joint Commission's national patient safety goals on alarm management

- Provides meaningful and actionable patient-centric reports

- Promotes meaningful alarm management across the organization

📄 Becoming Alarm Savvy

- The AWARE system assists hospitals by producing insightful reports with quantitative data related to arrhythmia, vital signs and technical alarms

- The system aggregates and segments data by:
  - Type
  - Department
  - Shift
  - Duration

- The AWARE system builds upon strides taken by Nihon Kohden to aid in the reduction of nuisance alarms, by using the following strategies:
  - Leveraging alarm levels — crisis, warning and advisory — to customize alarms based on patient type and acuity
  - Increasing the advisory alarm time from 20 seconds to 120 seconds based on need
  - Providing customizable escalation alarms
  - Adding a programmable smoothing algorithm for SpO_2, heart rate and respiratory rate

HL7

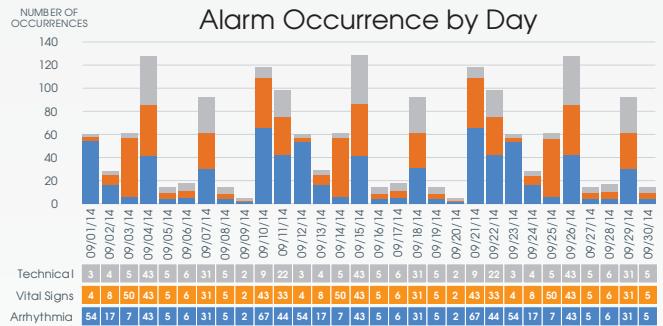NIHON KOHDEN

AWARE®
Alarm Management and Reporting

Helping You Help Patients

- Nihon Kohden's team of Nurse Executives assists hospitals in developing alarm management strategies and best practices models

- The specialized team works with organizations to do the following:

  - Fully assess baseline alarm systems
  - Analyze data on high-frequency alarms to identify potential areas for reduction
  - Help define alarm strategies that meet unit-specific needs
  - Review alarm settings for goal-based prioritization
  - Collaborate on data-guided changes to reduce alarms and retain clinically targeted settings
  - Reassess and evaluate effectiveness of changes designed to support patient-centric care
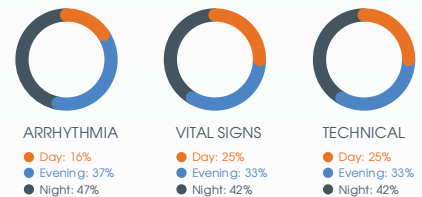 - Quantify improvements by analyzing before and after alarm management comparison reports

System Configuration

AWARE alarm management and reporting is an application that is part of the NK-HiQ™ Enterprise Gateway platform. It includes all required software to track, aggregate, segment and analyze alarms emitted by Life Scope® patient monitors.

As the backbone of the Nihon Kohden Patient Monitoring System, the NK-HiQ Enterprise Gateway consolidates multiple applications into a single, powerful server — saving time, space and money.

Alarm Occurrence by Day

NUMBER OF OCCURRENCES

	09/01/14	09/02/14	09/03/14	09/04/14	09/05/14	09/06/14	09/07/14	09/08/14	09/09/14	09/10/14	09/11/14	09/12/14	09/13/14	09/14/14	09/15/14	09/16/14	09/17/14	09/18/14	09/19/14	09/20/14	09/21/14	09/22/14	09/23/14	09/24/14	09/25/14	09/26/14	09/27/14	09/28/14	09/29/14	09/30/14
Technical	3	4	5	43	5	6	31	5	2	9	22	3	4	5	43	5	6	31	5	2	9	22	3	4	5	43	5	6	31	5
Vital Signs	4	8	50	43	5	6	31	5	2	43	33	4	8	50	43	5	6	31	5	2	43	33	4	8	50	43	5	6	31	5
Arrhythmia	54	17	7	43	5	6	31	5	2	67	44	54	17	7	43	5	6	31	5	2	67	44	54	17	7	43	5	6	31	5

Total Alarm Occurrence by Shift

ARRHYTHMIA
- Day: 16%
- Evening: 37%
- Night: 47%

VITAL SIGNS
- Day: 25%
- Evening: 33%
- Night: 42%

TECHNICAL
- Day: 25%
- Evening: 33%
- Night: 42%

Different Thinking for Better Healthcare.®

NK-HiQ™

NIHON KOHDEN