PHILIPS

Alarm Insights Manager

Identify the root cause of alarm challenges

Alarms are unavoidable in acute care settings. Although alarms form an important element of care and are designed to provide patient safety, alarm noise has a negative effect on patients, their families and the clinical staff resulting in lack of trust in the medical devices and the clinicians.

Did you know?

In a recent study, clinical personnel feel overburdened with the continuous wave of clinical alarms resulting in alarm fatigue.[1]

- In 93% of nurses, alarm fatigue may cause alarms to be excessively subdued or ignored
- 85-99% of nurses find alarm fatigue results from the excessive number of non-actionable false alarms
- 52% of nurses do not know how to prevent alarm fatigue
- More than 59% find that tiresome alarms result from the precision and incorrect settings of devices

Many times clinicians do not know the root cause of their alarm challenges or where to start. Therefore, it is necessary to introduce effective strategies of alarm management.

Achieve an effective alarm strategy with Alarm Insights Manager

The Philips Alarm Insights Manager intuitive dashboard is a web-based interactive application that provides visualization of alarm data through a list of queries that represent various alarm operational metrics. Analyzing the data can potentially reveal insights concerning the root causes of alarm fatigue and standards of care.

Alarm Insights Manager...

- provides visualization of an intuitive set of alarm key performance indicators (KPIs) to assess alarm burden over hours, days, weeks, or months, and by clinic or unit, or by patient or alarm type
- identifies potentially actionable insights into hospital alarm system quality through queries, aggregation, and filters, to provide insights into the root cause of alarm fatigue
- allows for historical benchmark comparisons across units, months, weeks and by specific KPIs for continuous improvement
- presents alarm, alert, and event information, including technical alarms, event onset time, alarm announcement time and text, alarm silence times
- ability to create and save custom reports as well as automate and share reports with stakeholders
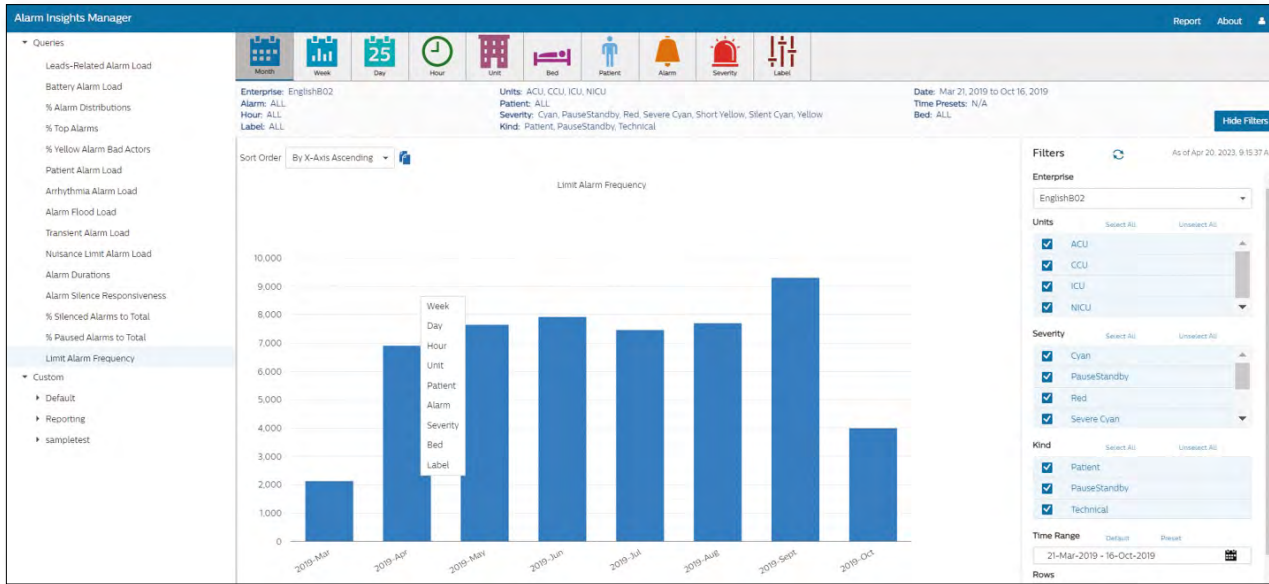
Deep dive into data at various levels
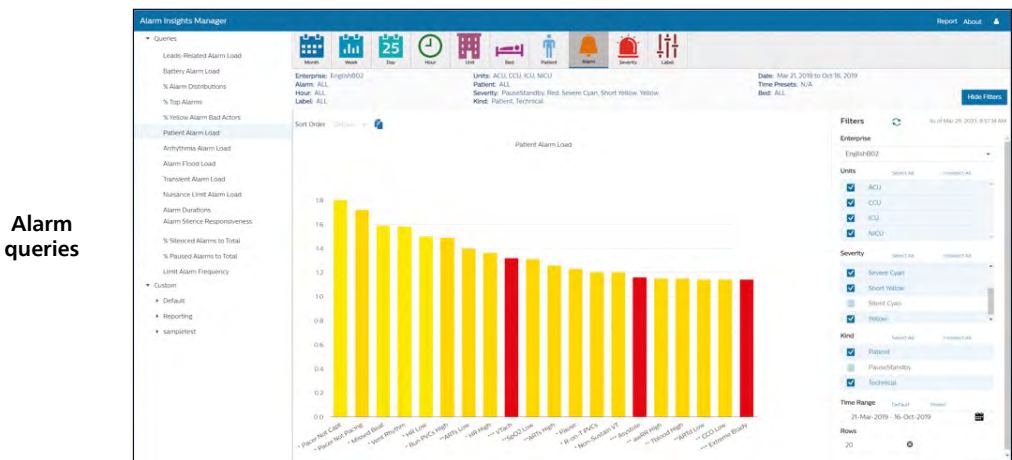

Alarm queries

Explicit and implicit filtering

Data aggregation

Explicit filtering: focus on specific unit, type of alarm, and time range

Alarm Audit Log Migration

Alarm Insights Manager's Alarm Audit Log Migration (AALM) tool provides a one-time migration of the Philips PIC IX Alarm Audit Log (maximum 90 days) to Alarm Insights Manager (AIM). Once migrated, Alarm Insights Manager can be used to explore and troubleshoot alarm issues on the first day of use!

90 days of audit log data
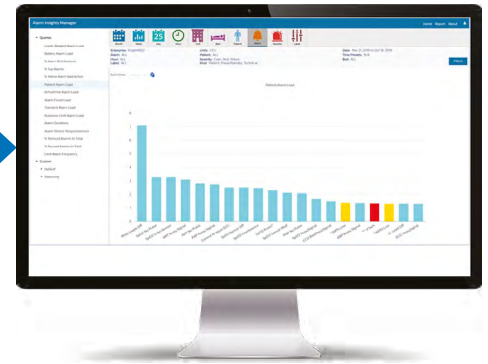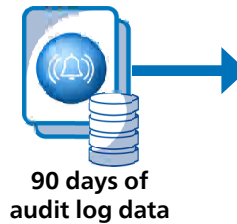
Philips Alarm Insights Manager supports Healthcare's Quadruple Aim

- **To help improve staff, patient experience and outcomes:** Alarm Insights Manager may assist clinicians in determining the root cause of non-actionable/false alarms with the goal of improving alarm measures that may lead to a quiet environment for patients that promotes less anxiety, better sleep and improvement in patient healing.[1] Nuisance alarms and clinically irrelevant alarms are tied to sensory and cognitive staff overload.

- **To potentially lower the cost of care:** Alarm Insights Manager's scalable cloud-based enterprise platform requires a virtual machine (VM) only which can eliminate the need for expensive servers.

Philips Alarm Insights Manager supports hospitals in helping to meet standards/protocols and maintaining compliance
Joint Commission (JCAHO), American Association of Critical Care Nurses (AACN), AAMI Foundation National Coalition for Alarm Management Safety, National Association of Clinical Nurse Specialists (NACNS), Healthcare Technology Foundation, ECRI Institute and more.

1. Lewandowska K, Weisbrot M, Cieloszyk A, et al. Impact of Alarm Fatigue on the work of Nurses in an Intensive Care Environment — A Systematic Review, Int J Environ Res Public Health. 2020;17(22):8409.