



excel  
medical  
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# AlarmNavigator



# Alarm Management: 2014 Joint Commission National Patient Safety Goal

## Do You Have A Strategy?

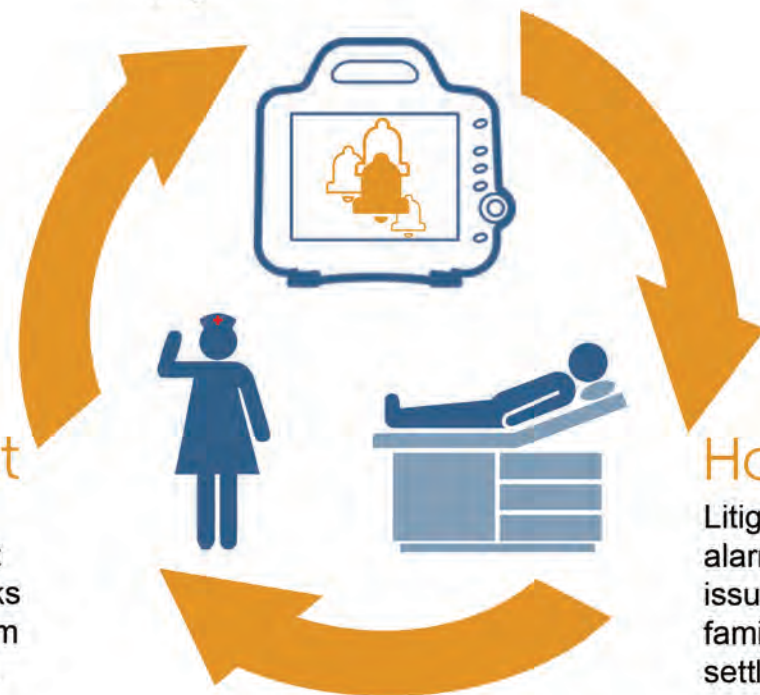
Your hospital is probably assembling a team of high powered clinical and administrative leaders to form an Alarm Committee.

### Four Questions to Understand Alarm Fatigue

1. How many alarms do you have in a given time?
2. What types of alarms are they?
3. How do alarms differ across care areas?
4. How will you measure improvement?

### Patient Impact

Additional stress caused by constant alarms impedes healing, increasing length of stay.



### Clinical Impact

Reductions in nuisance alarms ensures that patient monitoring technology works for clinicians and helps them provide better patient care.

### Hospital Impact

Litigation cases related to alarm fatigue are an expensive issue. In one recent case, the family of a 17 year old girl settled for \$6 million.<sup>1</sup>

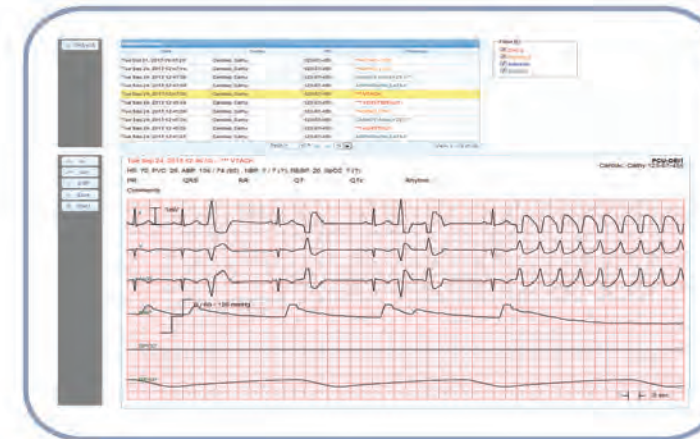
# AlarmNavigator: Using Empirical Data to Understand Alarm Fatigue

## What is AlarmNavigator?

- Data acquisition software captures alarm data from patient monitoring networks
- Web-based software application for customized report building
- Software-only solution, leverage existing hospital IT infrastructure

## How Does AlarmNavigator Help?

- Capture a baseline measurement of alarms
  - Hospital wide and care area specific
- Utilize empirical data understand the alarms
  - Modify workflows and procedures
- Measure improvement against baseline and continue to modify alarm strategies



“Excel Medical Electronics’ solution is critical for us to deeply understand clinical alarms at UCLA. This analysis will allow us to measure baseline alarm levels, develop informed and targeted intervention plans, and continuously measure post-intervention improvements to the alarm fatigue challenge to further inform hospital leaderships”

-Xiao Hu, PhD UCLA

1

### Measure

Know how many, and what types of alarms occur in specific care areas.

2

### Improve

Develop a strategy to reduce false and non-actionable alarms.

3

### Benchmark

Compare data to validate the efficacy of improvement strategies.

<sup>1</sup> <http://www.washingtonpost.com/sf/feature/wp/2013/07/07/too-much-noise-from-hospital-alarms-poses-risk-for-patients/>