



California OSHA recommends a Personal Duress Alerting Device as Part of a [Safety Plan](#)

Montefiore Medical Center Fined for Inadequate Staff Safety Safeguards

Montefiore Medical Center, the teaching hospital of the Albert Einstein College of Medicine in the Bronx, has been fined for failing to protect employees from physical attacks and inaccurate injury & illness incident reports.

The incidents were primarily in the Children's Hospital and occurred during 1 on 1 patient observations, while restraining patients during assaults and attempted escapes, and performing holds or restraints on patients. The resulting injuries included broken bones, bites and injuries to neck, back and shoulders, according to [Healthcare Finance](#).

“This employer ignored repeated episodes of physical assault that put their employees at risk,” said [OSHA Area Director Robert T. Garvey](#) in Tarrytown, New York. “Employers can and must reduce workplace violence hazards by implementing and maintaining an effective workplace violence prevention program, which is an essential safeguard for these essential workers.”

Given the cost of violence, hospitals are stepping up safety programs. According to the American Hospital Association 2017 report, [Cost of Community Violence to Hospitals and Health Systems](#), “we estimated that proactive and reactive violence response efforts cost U.S. hospitals and health systems approximately \$2.7 billion in 2016.” In response, hospitals directed \$1.1B in security costs related to preventing violence on the hospital premises.

Resources for a Workplace Safety Plan

OSHA Resources

Click to Download

California OSHA - [Safety & Health Fact Sheet](#)

Every covered employer is required to develop a workplace violence prevention plan.

OSHA - [Guidelines for Preventing Workplace Violence for Healthcare and Social Service Workers](#)

This publication provides a general overview of worker rights under the Occupational Safety and Health Act of 1970.

OSHA - [Worker Safety In Hospitals](#)

A suite of resources to help you build and implement a comprehensive workplace violence program in your healthcare facility.

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STAFF SAFETY

Healthcare workers experience **12X** higher rates of violence

88% of incidents of violence in healthcare go unreported

70% of non-fatal assaults occur in healthcare

RAPID RESPONSE TO PHYSICAL ATTACKS AND DETER AGGRESSION

Customized response rules and help to react location | 2-way communicating for real-time decisions | Event reply records activity of individuals and timestamps

Enterprise software platform accessed over your existing Wi-Fi

- Location Calculation
- Response Rules
- Real-time Alerts
- Dashboard, reports
- API, REST, Web, Streaming

AiRISTA ON PREM OR CLOUD

Access Point

- Display Location
- ID of Person
- Response Buttons

Deploys in days, not months.

Leverage your existing Wi-Fi infrastructure.

Tags are assigned in the system and deployed quickly.

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multiple modules delivered from the same platform

- Asset tracking
- Patient Flow
- Hand Hygiene
- Temperature Monitoring

Reducing ED boarding to under 6 hours reduced in-hospital mortality from 24% to 22.8% and reduced length of stay.

30% the healthcare spending can be converted over 200-300 million - more than the entire California Department budget.

Hospitals over 35,000 inventory 25k+ with a utilization rate between 32 and 38%.

687,000 beds in U.S. acute care hospitals. 70,000 hospital patients with falls died during over hospitalizations.

STAFF PEACE OF MIND **THREAT DETERRENCE**

- World's #1 two-way communicating Wi-Fi tag
- 24x7 worldwide support
- 10 years of experience in some of the harshest workplaces
- Numerous industry awards

AiRISTA Location-based solutions

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[AiRISTA](#) has deployed tens of thousands of [tags](#) for its [Staff Safety Solution](#). The [solution](#) is simple to use and deploys quickly. Contact salesinfo@airista.com for more information.

How Does Angle of Arrival Really Work?

In a previous [blog](#), we explored exciting technologies that push the boundaries of Bluetooth® capabilities. In that blog we described Angle of Arrival (AoA) as using the difference in the angle that an arriving radio wave strikes a series of micro antennae. This makes the concept easy to relate to, but the reality is bit more complicated. In a [white paper](#) by the Bluetooth SIG, Martin Woolley dives into the details of signal phases and how the difference in the phase as detected by each micro antenna is used to calculate the direction of the signal.

Bluetooth operates in the 2.4GHz spectrum. This results in a wavelength of 12.5cm, or just under 5 inches. Knowing the phase of the arriving signal as it strikes each micro antenna as well as the precise distance between each micro antenna, the direction of the signal can be calculated. "If we know the distance between the two antenna (in a straight line), the phase difference ($p_2 - p_1$), and the signal's wave length, then we can use basic trigonometry to calculate the angle of the signal." according to Woolley.

Click [here](#) for a short video of AiRISTA's BLE Angle of Arrival technology in action.

AiRISTA Insights

How to Deploy Your RTLS Management System and Devices

As Bluetooth® Low Energy (BLE) permeates our world, RTLS solutions are becoming less expensive, faster to deploy, easier to manage, and address a wider range of use cases. More customers are considering their first RTLS project but want to understand the steps to get to a working solution.

The most successful RTLS deployments begin with a cross functional team that describes the target problem succinctly, the desired outcome, and the metrics used to define success. The team reports to an executive sponsor who ensures support and funding, and the team appoints an individual to be responsible for ongoing RTLS management of the solution.

[Learn More](#)

Improve Patient Flow with RTLS Devices

RTLS technology can be applied to patient flow issues to help reduce bottlenecks.

Symptoms of bottlenecks include;

- Mismatch in bed capacity or clinical resources
- Inefficient processes for transferring patients between units and patient discharge
- Wait times to transfer patients to long term care facilities
- Patients with mental health conditions waiting for an opening in community mental health facilities
- Patients being cared for in off-service units

Without a system view of the problem, healthcare providers get stuck in the trap of solving flow issues at individual delivery points resulting in suboptimal solutions that miss the full opportunity.

[Learn More](#)

AiRISTA is Hiring

We are experiencing growth as customers embrace our simplified approach to location based services. If you would like to be part of our team, we are looking for people with experience in Sales, Customer Service, Systems & Solutions Engineers, and Project Managers. Send us an email at HR@airista.com

Follow us on social to get the most recent news updates!



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