

Real-Time Location Systems (RTLS): Case Studies, Results, and ROI

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Ms. Miranda Baras, NRP
Clinical Support Manager
Vizzia Technologies

RTLS Agenda & Topics

- ◆ Intro to Real-Time Location Systems (RTLS)
- ◆ Biomedical & Clinical applications, use cases
- ◆ “Go Live” results across 8 healthcare systems
- ◆ Biomedical “Best Practices” for getting started
- ◆ New technologies that enable “Smart Hospitals”

RTLS = Indoor GPS (devices, patients, staff)



RTLS Healthcare uses cases

Clinical Applications

- ◆ Asset Management
- ◆ Contact Tracing
- ◆ Environmental Monitoring
- ◆ Hand Hygiene Compliance
- ◆ Patient Workflow

Biomedical Benefits

- ◆ Increase utilization to 75%
- ◆ Reduce equipment CAPEX
- ◆ Decrease rental fleet size
- ◆ Prevent device shrinkage
- ◆ Reduce PM & search time

RTLS Industry “Go Live” Results



Winston Salem, North Carolina 1,535-Beds



- ◆ \$3.5M equipment savings
- ◆ \$300K staff time savings
- ◆ 50% reduced patient wait times
- ◆ 1.1K refrigerators monitoring

Los Angeles, California 353-Beds



- ◆ \$1M savings per year
- ◆ \$498K reduced staff expenses
- ◆ ½ hour reduced patient wait time
- ◆ 90% patient satisfaction scores

Dallas, Texas 875-Beds



- ◆ \$412K savings first year
- ◆ 80% reduction in repairs
- ◆ \$288K savings in equipment

San Antonio, Texas

150-Beds



- ◆ \$351K increased revenue in 1 year
- ◆ 2.5 hours saved/patient discharge
- ◆ Increased the patient care time

Eugene, Oregon 10-Clinics



- ◆ 75% reduced wait time
- ◆ 50% increased patient care
- ◆ 60% reduced staff inefficiency

Atlanta, Georgia 627-Beds



- ◆ \$600K savings in first year
- ◆ \$220K reduced equipment rentals
- ◆ 0% lost equipment, down from 7%

Mission Viejo, California 523-Beds



- ◆ \$600K savings per year
- ◆ 0% lost equipment, down from 14%
- ◆ Increased Nurse satisfaction scores

Atlanta, Georgia 2,727-Beds



- ◆ \$2M savings system wide
- ◆ \$1M savings, 1 hospital in a year
- ◆ 90% increase worker productivity
- ◆ 20% increase device utilization

RTLS – Biomedical Best Practices

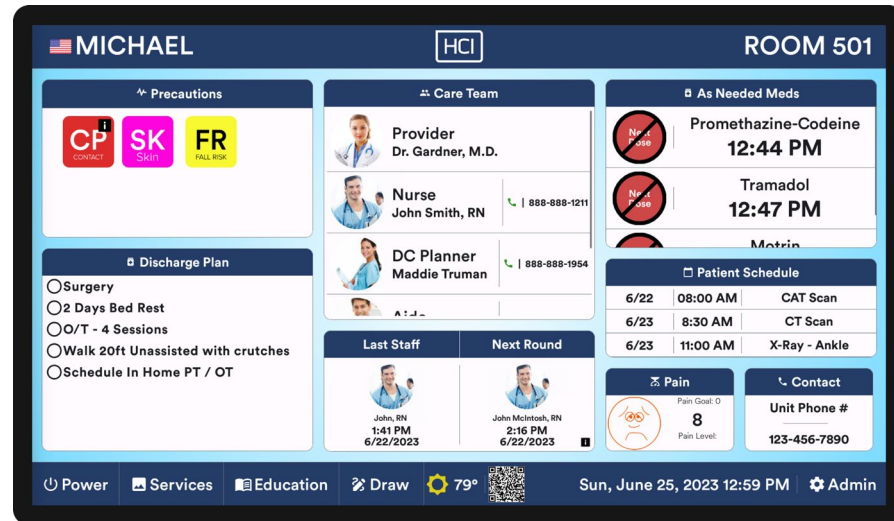
- ◆ Discover the top pain points in your hospital
- ◆ Build a cross-functional steering committee
- ◆ Select equipment and devices for tracking
- ◆ Identify KPIs to measure success up front

RTLS New Technologies

Smart Hospitals leverage connected data platforms:

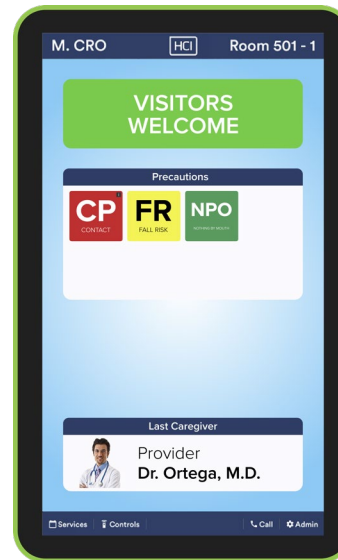
- ◆ AI – Artificial Intelligence software to leverage data
- ◆ IoMT – Internet of Medical Things enabled devices
- ◆ Safety – Staff Duress, silent panic alarm notification
- ◆ Comms – Interactive Whiteboards and workflow tools

HCI Interactive Whiteboards



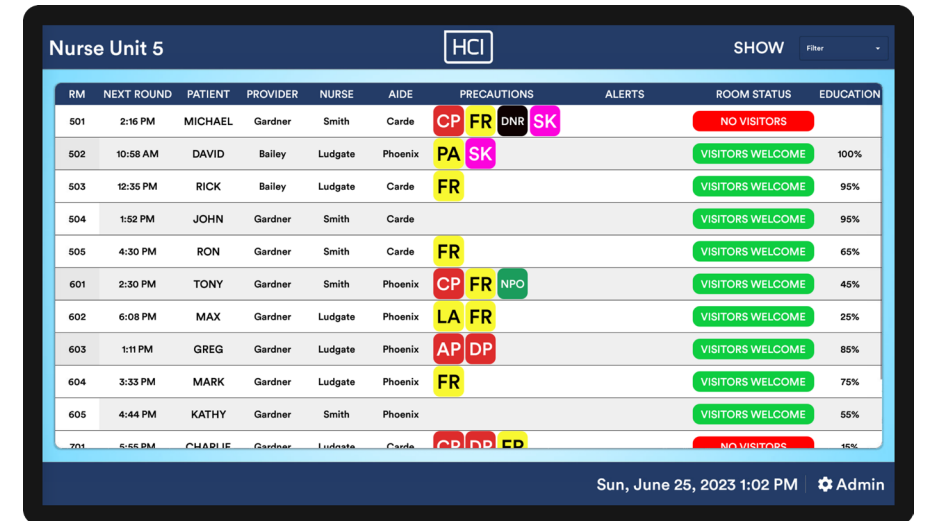
Room Whiteboard

Information for both patients & caregivers



Door Display

What you need to know before you enter a room



Unit Status Board

Patient status summary for entire unit



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**BETTER COMMUNICATION,
BETTER CARE**

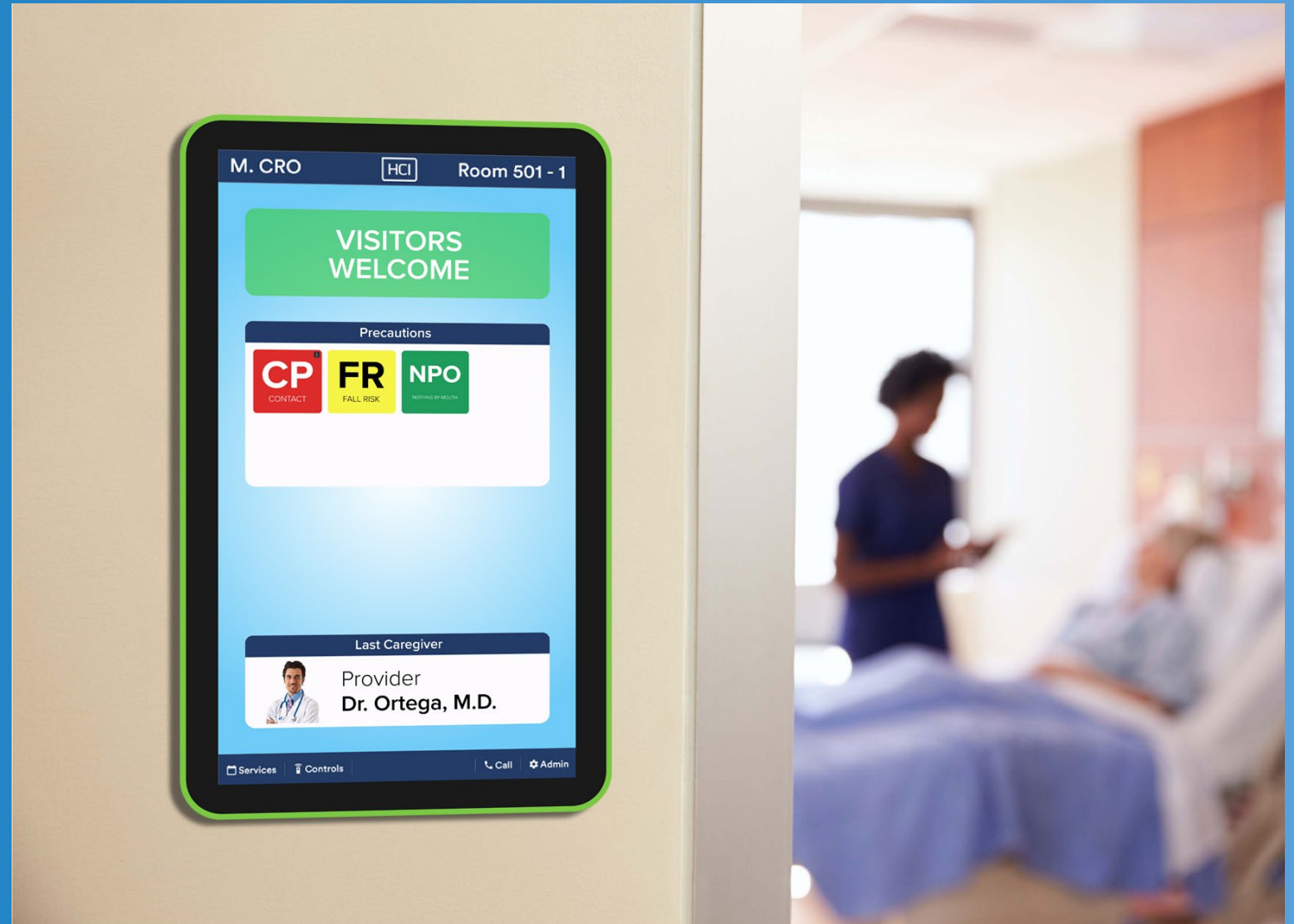
Replace the Dry Erase board in the patient room with up-to-date information

- Integrations with EMS, RTLS, Nurse Call, and other key systems
- Workflow Tools
- Communication Tools
- Education and Entertainment Solutions

Improve
Patient Engagement

Streamline
Patient Care

Enhance the
Patient Experience



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BETTER CARE**



About Vizzia Technologies

- ◆ Real-Time Location Systems (RTLs)
- ◆ RTLs Company of the Year (2023)
- ◆ 100% Healthcare Focus (since 2005)
- ◆ IoT Lab Univ. of New Mexico (UNM)
- ◆ Partners CenTrak & Zebra (OEMs)
- ◆ 1st to Achieve SOC 2 Type II (Cyber)

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Ms. Miranda Baras, NRP

Clinical Support Manager

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THANK YOU!

Miranda Baras

Miranda.baras@vizziatech.com

www.vizziatech.com

