



# Bella Vista Hospital

## Solutions Applied Case Study



### Overview

#### *Bella Vista Hospital, Puerto Rico*

*Implementing MEDITECH EMR software including eMAR, Bedside Med Verification (BMV), CPOE, and other clinical modules.*

*Beginning with eMAR and BMV, Bella Vista is building the foundation to create a “fully digital” hospital environment that leverages today’s technology to improve healthcare delivery and patient outcomes.*

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### **A Quick Look**

- *Bella Vista Hospital is going digital and needs a fully-integrated solution to ensure successful ROI on software investment.*

### **Product Spotlight**

- *Artromick Series ACi Medication Carts and TX10 Medserver Carts from Capsa Solutions*

### **Results**

- *Optimized use and benefits of using clinical software at the point of care*
  - *Created a closed-loop medication administration and clinical process*
  - *Improved medication safety and security*
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## Objectives

Three (3) primary objectives were identified by Bella Vista Hospital.

1. Mobilize and integrate EHR software with the medication administration process at the point of care
2. Improve workflow efficiency to provide more time for clinical care at bedside
3. Improve medication safety and security



The stakeholders at Bella Vista selected to lead this project were departmentally unique, but closely related to ensure the program's success. The healthcare leadership that provided the project guidance and input included:

- Pharmacy: Focused on medication control and distribution efficiency
- Nursing: Focused on cart mobility, ease-of-use, organization, work area, configurability, and adaptability to workflow
- Biomed: Focused on product safety and ability to provide timely support to mission-critical medical equipment
- IT: Focused on selecting a best-in-class platform to mobilize computing hardware and software

Gaining consensus on the product functionality and features to meet the requirements of each stakeholder was key.

Capsa Solutions understands this balance and made sure each voice was heard, and the appropriate solutions presented to ensure agreement across the project team.

Finding the right product that could be 'designed' by the stakeholders was critical to solution acceptance and program adoption. Simply providing a cart platform for computer hardware was not enough. Rather, finding the maximum balance between computer run time, medication control, and product usability was vital.

## Solutions

Bella Vista Hospital evaluated many 'standard' systems including wall cabinets with PCs and medication bins, decentralized medication dispensing cabinets, and even investigated creating their own mobile workstation to mobilize hardware and software. It was decided the best solution to pursue was a fully-integrated medication cart that featured individual patient bins, drawer storage, and a sophisticated security system. After an exhaustive review of products from many vendors, Bella Vista concluded the clear choice was the ACi Medication Cart from Capsa Solutions.

More than anything, Bella Vista knew that cart configurability would be paramount in deciding which vendor they selected. From basic drawer sizes and placement, to which hardware solution to use, to maximizing power system run-time without the significant weight of a "bigger battery", Capsa delivered on all fronts.



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## Results

**Objective:** Mobilize and integrate EHR software with the medication administration process at the point of care

The ACi Medication Cart solution working in tandem with the MEDITECH clinical software produced dramatic results for improving patient care workflow. Previously, patient information and documentation was managed at a 'fixed' location, not near the patient. Today, the mobility of the hardware and software provided by the ACi Medication Cart permits documentation right at the point of care. This greatly improves data management and accuracy, and permits simultaneous information sharing across clinical users.

**Objective:** Improved workflow efficiency to provide more time for clinical care at the bedside

Data management at the point of care is only the beginning. The improved workflow efficiencies gained by integrating these processes has provided another key benefit to Bella Vista. By saving time and improving processes, the clinical team has more time to spend caring for patients at the bedside. Bella Vista estimates a task time savings of 70% per nurse per patient. What once took the nurse over 3 hours to complete in the past now requires only 60 minutes.

**Objective:** Improved medication safety and security

After being challenged by a government agency inspection team to improve medication safety and security or face discipline, Bella Vista searched for the ultimate medication system that integrated computing hardware.

The ACi Medication Carts greatly improved medication safety and control. Keyless access with automatic relocking is only one of several security features offered by the carts. The ability for Bella Vista Hospital to audit the access and lock records on the carts provided increased oversight into the security process. Long term, the understanding of how the cart security system is used and monitored will provide a means to educate the clinical team on best practices to optimize medication safety.

By combining the software's medication verification function with organized patient medication storage at the point of care, Bella Vista virtually eliminated the chance of a patient medication error.

*"Having the software and medication cart integrated is priceless. Our medication administration errors have dissipated to the point of total elimination."*

Carlos Alberto Rodriguez Rivera, RN  
EMR Coordinator, Clinical-Technical Liaison

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## Conclusion

In addition to saving time for nursing and improving medication safety, Bella Vista is saving money. Through the implementation of this closed-loop medication process and electronic data system, the facility is saving \$22,000 per month by not using paper medical records.

When considered in total, Bella Vista has greatly improved clinical efficiency, data management, and medication control. These benefits, in turn, provide the hospital with significant fiscal savings and improved patient care.

*"It's important to note that not only are we saving money and improving workflow, but our ability to deliver better patient care has improved also."*

Jennifer Medina, RN  
EMR Coordinator, Bella Vista Hospital

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## About Capsa Solutions

For over 50 years, Capsa Solutions has been organizing and moving healthcare in a variety of facility environments including hospitals, long-term care, and specialty care centers all over the world.

With combined product lines that include medication carts, medical carts, computer carts, and processing solutions, Capsa Solutions is able to provide our customers with decades of experience and a unique ability to meet the demands of diverse healthcare environments.

The products featured in this case study are representative of our approach to product innovation. At Capsa, we listen to the market, design to meet those requirements, build-in superior reliability and performance, ensure great value, and support our customers with an unparalleled commitment to service.

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## Products Profiled

### ACi Medication Cart



**Reliable, scalable, powerful technology integrated into your medication management process.**

The ACi Mobile Computing Medication Cart line from Capsa Solutions provides a simple, proven system that lets you take advantage of the latest technology solutions for improving medication management and nurse workflow.

You get the flexibility to use your choice of hardware and software solutions, the power to mobilize your EHR software, and realize the benefits of large-capacity storage and organization.

### TX10 Mobile Medserver



**Powerful mobile computing is streamlined with advanced medication security and organization.**

The TX10 Mobile Computing Medserver brings a new level of power and functionality to your medication control initiative.

Designed to blend powerful computing with exceptional mobility and configurable medication storage, the TX10 Medserver helps you bring the medication administration process right to the bedside.

