



### Control IV Safety

Injectable medications cause 1.2 million preventable adverse drug events a year, adding up to \$5.1 billion in costs.<sup>1</sup>

### How Can You Prevent IV Medication Preparation Errors?

Health systems are expected to prepare IV preparations safely and accurately while complying with increasingly complex regulations, rising drug costs, and supply disruptions. Greater scrutiny is being placed on injectable medication safety, but in reality, nearly **1 out of 10 IVs** is not prepared within guidelines.<sup>2</sup>

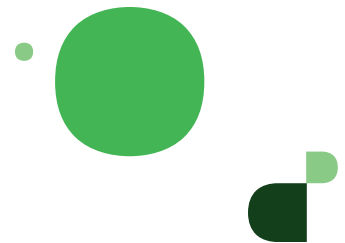
### 503B Outsourcing Challenges May Outweigh Benefits

- Higher medication costs
- Long turnaround times and delays
- Unexpected disruptions when vendors close
- Potential patient safety risks

### How Omnicell Helps You Manage Sterile Compounding Operations

Omnicell offers a full suite of robotic and semi-automated solutions to help hospitals take control of their sterile IV compounding operations.

- Enhance safety
- Improve therapy
- Reduce cost
- Facilitate compliance



<sup>1</sup> Lahue et al. National burden of preventable ADEs associated with inpatient injectable medications. *Am Health and Drug Benefits*. 2012;5(7):1-10.

<sup>2</sup> Flynn EA, Pearson RE, Barker K. Observational study of accuracy in compounding i.v. admixtures at five hospitals. *Am J Health-Syst Pharm*. 1997;54(8):904-912.

## Leading Provider of IV Compounding Robots

- Fully automated, non-hazardous sterile compounding robot
- Available as a turn-key service – technology, tools, and technicians are all provided through a subscription fee

## IV Workflow Management System

- Designed to drive technician efficiency and proper aseptic technique through an all-in-one design and limited-touch workflows
- Incorporates integrated barcode scanning, gravimetric or volumetric verification, advanced image recognition, photo documentation, and label printing

“By implementing Omnicell IV robotics and workflow management, URM was able to replace the decision points in the compounding process that compromised patient care with automated safety checks that ensured a higher degree of accuracy, integrity, and sterility.”

- David F. Webster, RPh, MSBA  
Director of Acute Care Operations, University of Rochester Medical Center

# 66%

reduction in costs compared to outsourcing<sup>3</sup>

# 50%–90%

greater CSP production with subscription model<sup>4</sup>

## Studies Demonstrate Safety

# 23%

of errors detected by an IV workflow management system were undetectable by the pharmacy's previous verification practices.<sup>5</sup>

# 9%

of intercepted errors could have resulted in patient harm, according to another study.<sup>6</sup>

Visit [Omnicell.com](http://Omnicell.com) to learn more today.

## Customer Snapshot

TidalHealth – Peninsula Regional Medical Center



### Challenge

Address supply chain disruptions that jeopardize safety, and reduce syringe waste in the ORs.

### Solution

Implement Omnicell's Central Pharmacy IV Compounding Service, which includes two IV robots and dedicated technicians for a simple monthly subscription.

### Impact

Regained control over quality and quantity of IV dose preparation, with up to 50% cost savings for select IV preps and significant decreases in drug waste.

<sup>3</sup> Based on Omnicell ROI modeling.

<sup>4</sup> Compared with capital purchase operated by health system; internal analysis – data on file.

<sup>5</sup> Moniz TT, Chu S, Tom C, et al. Sterile product compounding using an i.v. compounding workflow management system at a pediatric hospital. *Am J Health Syst Pharm.* 2014;71(15):1311-1317.

<sup>6</sup> Speth SL, Fields DB, Schlemmer CB, Harrison C. Optimizing i.v. workflow. *Am J Health Syst Pharm.* 2013;70(23):2076,2078-2080.