

OPERATING ROOM 7 – LAKELAND HOSPITAL

# Operating Room# 7 Inventory BEST PRACTICES

INVENTORY & CONSUMABLE TRACKING

## Operating Room 7 Inventory

by Harold Clampitt & Jim Wasserman

### Current Condition

Efficiently managing inventory in a high stress, fast pace operating room environment is extremely critical.

The inventory team went through an inventory audit for OR#7 by systematically documenting all the item codes and quantities to perform a thorough cycle count analysis.

Current inventory storage in OR#7 has 4 major areas. The inventory is in blue bins with unique item codes on them. Item codes are also placed in plastic placards on the shelf below the bin.

The inventory is tagged with yellow stickers showing item code, description and a serial number. As inventory is used during surgery the yellow sticker is then applied to the patient record and billed accordingly.

**Inventory audit of OR#7 revealed a total of 458 items with yellow stickers and 86 items with orange RFID stickers.**

### Manual vs TrackStar Automation

The inventory analysis was aimed at identifying the time it takes to manually count all the items within an item code and then follow the same process using TrackStar.

For Manual inventory census, all items belonging to a particular item code were first identified. Next a visual inspection was done to ensure no mislabeling. Once all the items were identified, the team logged the item code, description, lot number, quantity, and use by date. Next the team used TrackStar automation to count the inventory.

This methodology was adopted to properly document the ROI attained through TrackStar automation of inventory cycle count to reduce human error, increase staff efficiency, lower medical cost and increase patient happiness.

It took the team ~600 min to do a manual audit vs ~ 2 min using TrackStar automation for a 297 time productivity gain.



### MANUAL INVENTORY

Current inventory process uses yellow identification stickers for tracking. The items are then transferred to different OR's where another manual process is necessary to track inventory.

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### TRACKSTAR INVENTORY AUTOMATION

As inventory and consumables are received at shipping, a RFID enabled sticker is applied to the item. From there on out the item can be tracked throughout the facility.



# TrackStar - 8 Steps to a 297 Times Productivity Gain!

A new audit was undertaken to identify the number of RFID enabled labels and to document the time it takes to identify each item code and the number of items belonging to that item code.

For each item code where even a single item was RFID enabled, the item code, description, lot number, quantity and expiration date was recorded. Once every item with an RFID label

in OR# 7 was identified the team then synced that data with the inventory server.

Out of the 544 tagged items, a total of 86 RFID enabled items were present. The team then documented each step involved in searching and counting a particular item code.

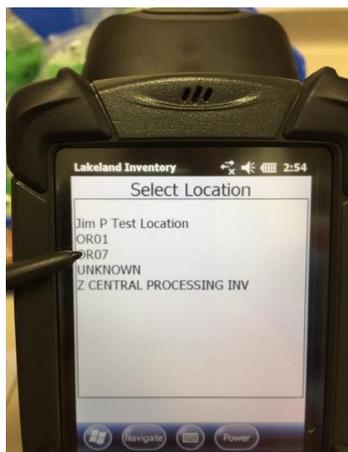
## QUOTE

"RFID gives me data that I have never experienced before. We now have precise knowledge of lot expiration by item code, bin location, and department so we can leverage auto replenishment and avoid out of stock situations."

JIM WASSERMAN  
Director, Purchasing – Lakeland Health



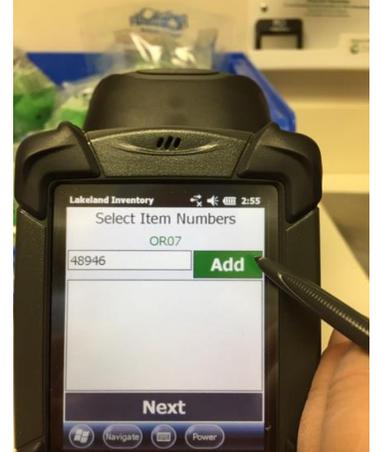
**Step 1 - Inventory Search**  
Begin Inventory search by choosing "Inventory" on the TrackStar screen.



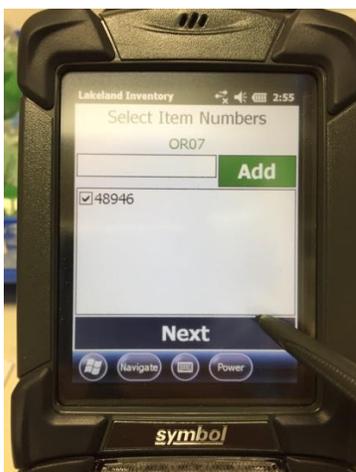
**Step 2 - Select Location**  
Select "OR07".



**Step 3 - Select Item Numbers**  
After selecting OR07 enter the Item Code Number you want to cycle count.



**Step 4 - Enter Item Number**  
Once a valid Item Number has been entered. Press "Add".



**Step 5 - OR# 7 Item Number**  
Once a valid Item Number has been added, press "Next".



**Step 6 - OR# 7 Item Found**  
After pressing Next, the Hand Held rapidly counts inventory.



**Step 7 - Comment**  
Once the items have been found, the inventory can be committed. For future reference comments may be entered.



**Step 8 - Item Commitment**  
After pressing the "Commit" option, choose "Yes". You are now done.  
**CONGRATULATIONS!!**

# Conclusion

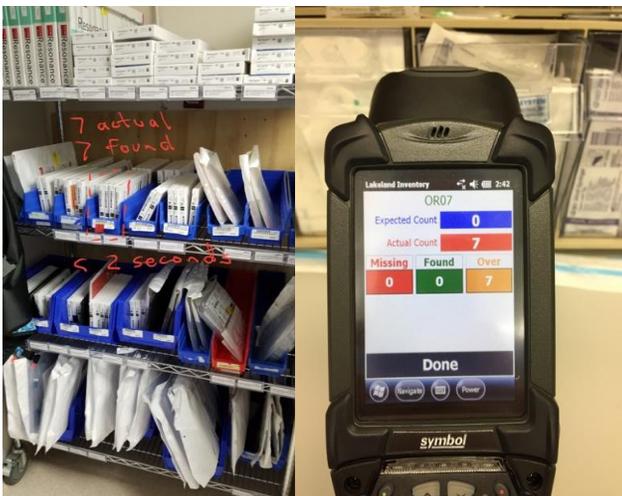
Based on the evidence TrackStar automation reduces human error and increases staff productivity by **297** times.

**297 TIMES PRODUCTIVITY INCREASE  
MAKES MANUAL INVENTORY COUNTING  
OBSOLETE and AN ERROR FARM!**

From a time savings perspective, it took the team 6 to 9 minutes to inventory each item code depending on the number of items in the bin. By comparison it took the team less than 2 seconds to find, inventory and track the item.

**TrackStar pays for itself in months, not years!! – Harold Clampitt, CEO & Founder American RFID Solutions**

Shown below is an example of a spot check manual count vs TrackStar enabled count.



**OR# 7 TrackStar Inventory Count**

The picture above shows TrackStar inventory search and count. In less than 2 seconds the 7 items under that particular item code were found and counted.

VS.



**Manual Inventory Count**

The picture above shows the current process to record each item in the Operating room. A recent audit took on average 6-9 min to find and document each item code. ~10 hours to document and tally each item code.