

# **Improving Inventory Accuracy with Staff Reskilling and Upskilling AUTHORS:**

Ng Jiaying, Mohammed Sahrin Bin Sahar, Cheah Bee Hooi May, Ho Swee Geok, Hazel Teo Hui Peng, Penera Donabel Isidro, Teo Swee Kwang, See Kim Yuen

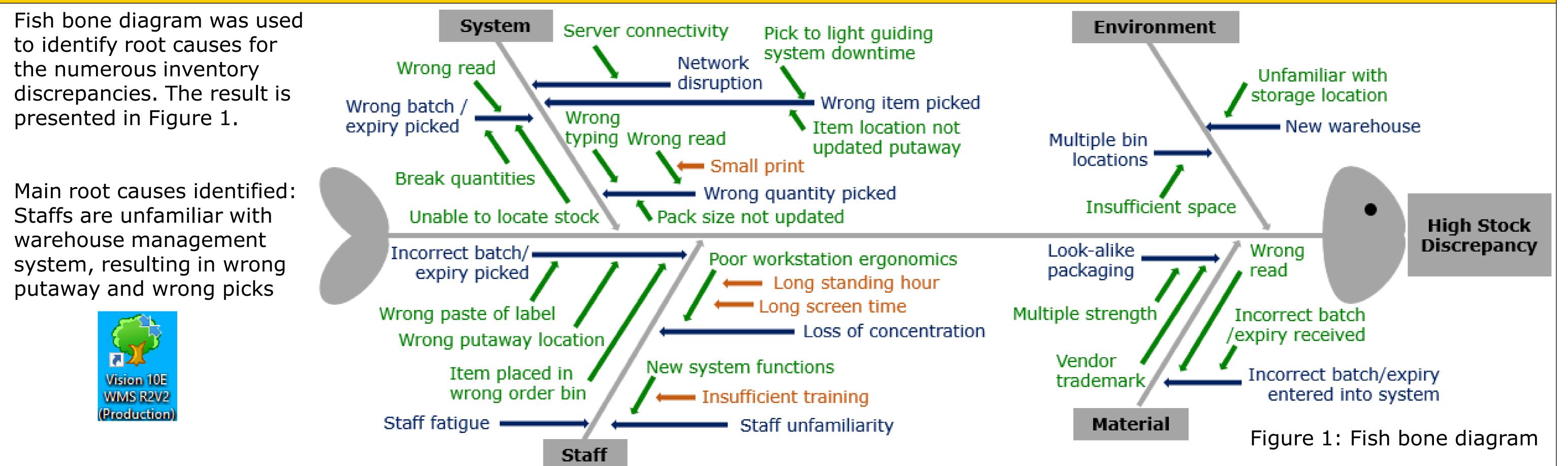


Pharmacy embarked on a new warehouse automation system in Q4 2020. This system entails the use of new technology eg: touch screen function, ipads for daily operations. Besides managing inventory, batch management of inventory is also an important component of this system. Logistic associates reported facing challenges in adapting to automation and digitalised work processes. This led to ineffective batch picking which resulted in inventory inaccuracies. Inventory discrepancies has impact on the supply chain downstream eg traceability of affected batches in the event of product recalls, inventory discrepancies at Pharmacy sub-stores or clinics. Hence, it is critical to close this gap by emphasizing on reskilling and upskilling the team.

### **2. MISSION STATEMENT**

To reskill and upskill warehouse logistic team to achieve 30% reduction in line item adjustment during stock take in a year (From 2021 to 2022)

#### **3. ANALYSIS**



#### **4. INITIATIVES**

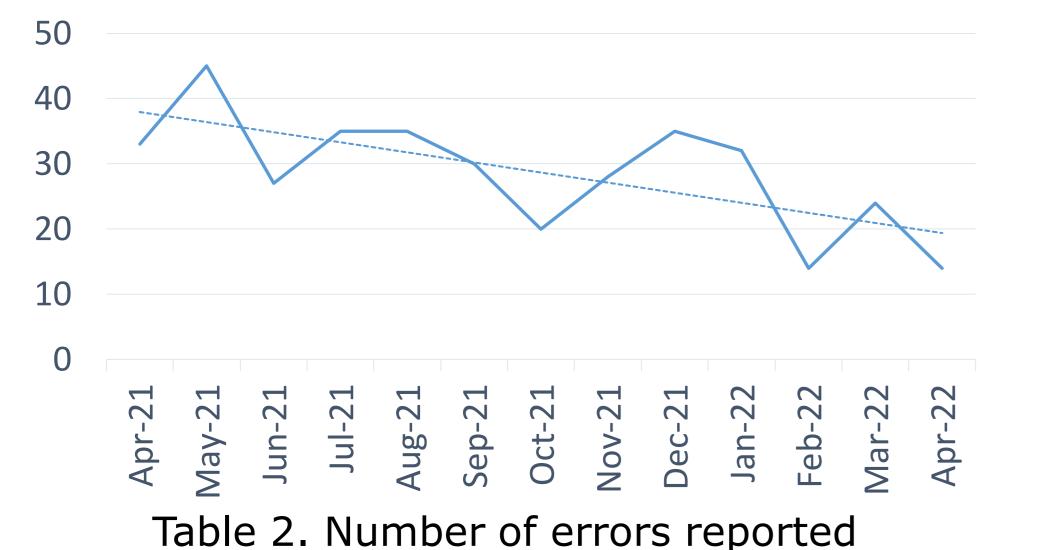
#### Based on the root causes identified, we have come up with a few initiatives:

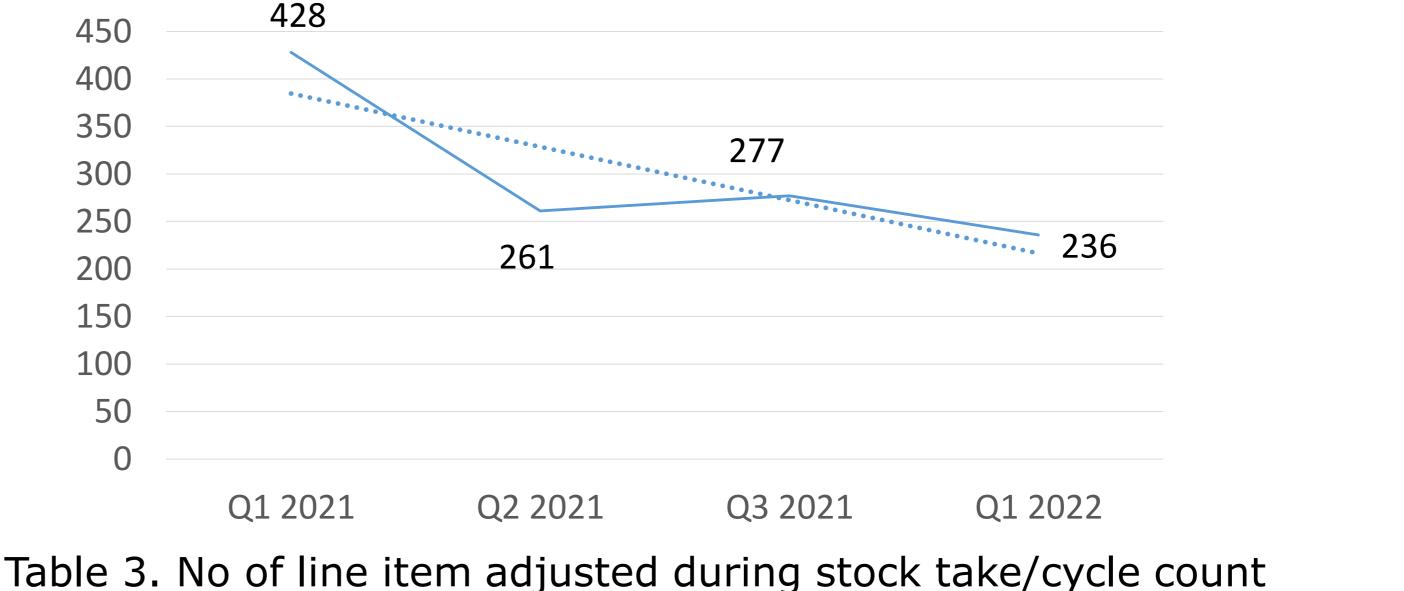
Initiatives	Training of Staffs	Analysis of Wrong Picks	Housekeeping
<ul> <li>to emp</li> <li>User gu stored</li> <li>Roll cal</li> </ul>	group training was conducted hasize on correct methods. uides were provided and in shared drive for reference. I conducted daily to re- work instruction and best e.	<ul> <li>During checking process, staff to report and document any near miss discovered in the table below (Table 1).</li> <li>Data were collated and analyzed monthly to identify gaps and staffs who require re-training. Wrong picks data were also shared during roll call.</li> <li> <u>Vpe of trop of trop of the picking tem product period Reported Resolved Receiving Delivery Wrong Calls              Table 1. Wrong Picks Report in shared drive      </u></li> </ul>	<ul> <li>5S concept of Housekeeping was introduced to improve workplace efficiency and productivity.</li> <li>Logistic associates are tasked to perform system verification for quantity, batch, expiry against physica inventory on a weekly basis.</li> <li>Audit is conducted fortnightly to close loop for discrepancies discovered.</li> </ul>

## **5. RESULTS**

With the upskilling effort, staff are cognizant of the importance of accurate inventory management and gained competency in using the automated warehouse system. Number of wrong picks reported have reduced from an average of 37 to 19 over the year (Table 2). Inventory accuracy has improved significantly, with a reduction of number of stock item adjusted from 428 to 236 over the year (Table 3). A 44.8% reduction in line items adjustment during stock take over one year was achieved. Number of Item Adjusted







#### **6. CONCLUSION**

Upskilling and re-skilling of logistic associates to be competent in warehouse inventory management has helped in optimizing inventory management. Inventory accuracy is crucial in supply chain management as the supply of medications goes beyond the warehouse to patients. In order to maintain optimal inventory, a yearly system competency training for staff will be conducted, on-going housekeeping efforts and audits will be maintained to sustain the results achieved.