

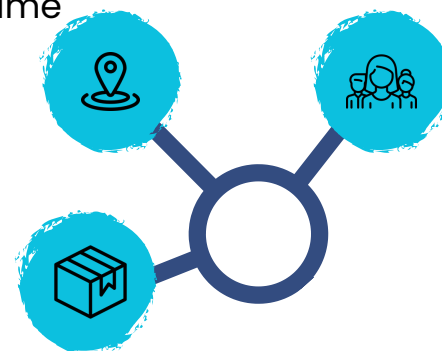


Swansea Bay University Health Board

S4S, GORSEINON STUDY

In June 2021 the Minister for Health and Social Services approved a full business case and associated investment as the first steps to embedding Scan for Safety principles and practices across Wales. With patient safety at the heart of the programme, data standards and data capture technology are being introduced across NHS Wales.

Automating the linkage of uniquely identified **products, places** and **people**, will not only assist in the prevention of patient harm with real-time data at the point of care, but it will provide instant traceability of implanted medical devices should a product or patient recall be required.



Late 2021 a contract was signed with Omnicell for an Inventory Management Solution (IMS, SupplyX) which will utilise these standards and handheld scanning technology to underpin the above benefits. Inventory optimisation benefits are integral to SupplyX, at the same time making ordering and replenishment far less labour intensive and returning clinical time back to patient care.

Why Change?

Prior to implementation:

- Product ordering was manual requiring significant clinical time to order products through iProcurement.
- Orders had to be authorised with the necessary vacation rules implemented.
- The hospital was over-stocked with no par levels in place.
- Because the ordering was manual items could be forgotten and not ordered.
- Ordering tended to be completed by one clinical staff member meaning that ordering in their absence was poor.



Action taken



A usage report was built for all ordered products for the previous 12 months and average weekly usage figures were calculated for each item.



Scanning handsets and protective infection approved jackets were procured by the programme and configured by Swansea Bay Information Technology. This would automatically join the secure Swansea Bay WIFI in situ and could not use any other provider.



A stockroom was built within the Supply X software and loaded with the necessary products and target stock levels agreed with the Gorseinon Hospital senior clinical team.



A two-way interface was created between SupplyX and Oracle to allow for automated ordering.



Labels were produced for each item and a stock take was implemented before "go live". This is because there will be a difference between the theoretical stock holding and the actual (physical) stock holding. This produces a saving of stock spend until the stock reaches the agreed levels. This is deemed as "cost avoidance" (details of which are below). The stocktake also searched for any out-of-date items, thus improving patient safety.



Training was given to users across the clinical team (4 users to cover absences).

What changed/ Benefits



Safety Improvement:

The correct item is now in place on the storeroom shelves in the correct quantity.

This improves patient safety and negates the need to place emergency orders for forgotten items.



Patient experience:

Less cluttered clinical areas, providing a more pleasant environment.
Fewer cancelled procedures due to stock unavailability.



CO2 Saving:

Less waste of products going into landfill as overall reduction of waste products/ alternative use for items such as training/education.

Optimal ordering - No unessential deliveries or returning of stock.



Quality Improvement:

Clinical space released by more effective stock control.

Using the software to identify stock level discrepancies and investigate high value differences.

Stock ordered as a top-up to agreed levels so items will not go out of date.

Staff experience:



Clinical staff can now allocate less time to stock control and more conducting their day-to-day clinical tasks.

System provides a useful suite of reports that can be used to help inform and structure clinical planning.

Item waste reasons can be recorded on handsets to inform practice and decision making.

End of year stock on hand can now be calculated with a simple “cycle count” on the system.

Time saved by the materials team, not having to manually place orders or review stock to see what needs ordering. Also eradicating the potential risk of not manually ordering required items as they are not told about them or the sticker not provided



Financial Benefits:

Physical Stock-count £12 524.45

Theoretical Stockholding £ 3 297.14

Cost Avoidance £ 9 227.31



Obstacles & Lessons

There were very few records prior to implementation of what stock was kept where and agreed target quantities, this meant more time needed to be spent pre-implementation cataloguing stock, agreeing locations and target stock levels.

It was also identified that more than one staff member should be ordering weekly to allow for familiarisation with the scanning system. This will mitigate ordering issues when there is staff absence.

Overall, implementation was welcomed by the staff and the process of rolling out the system was relatively easy and pain-free.



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