



Implementation of a central Room for non-standard Medication to Reduce Waste

at Herlev Gentofte Hospital, Denmark

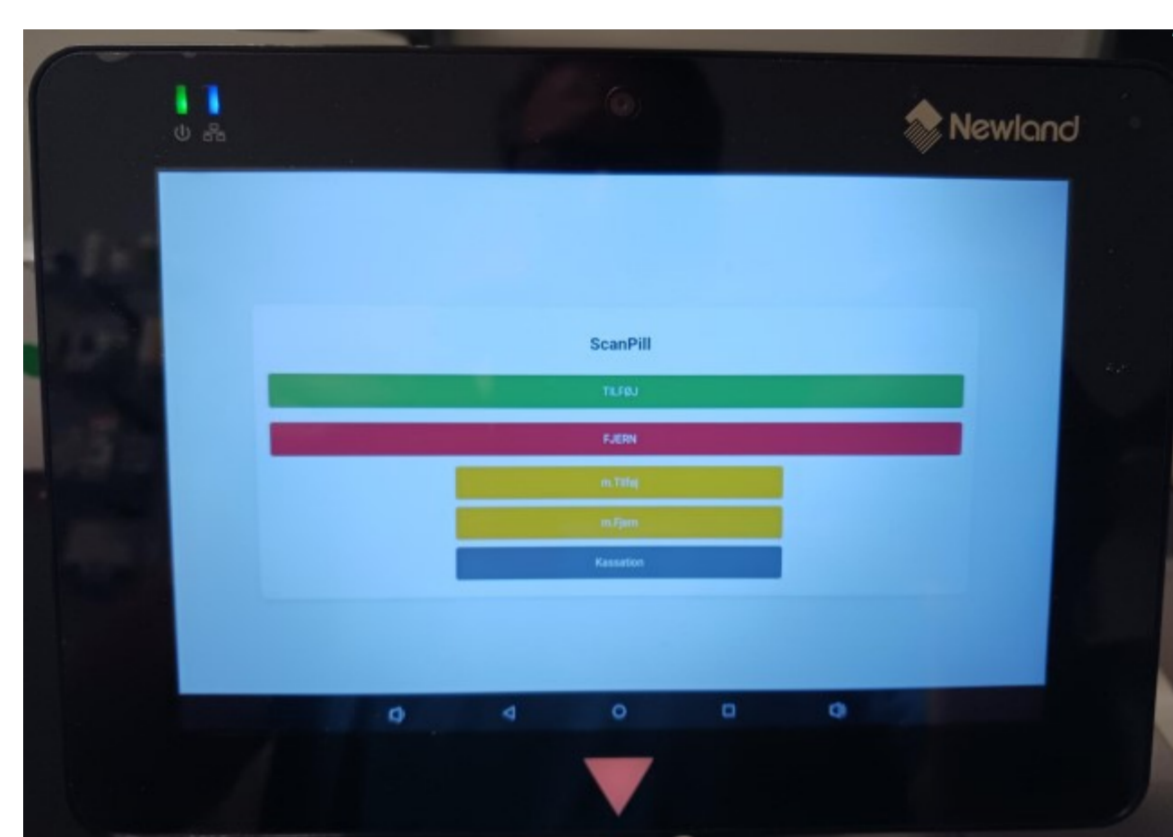
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REGION

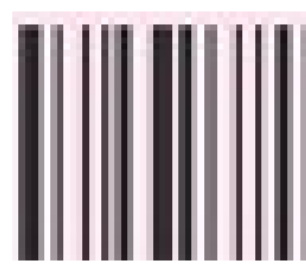


What was done?

An atypical medication room (AMR) was established at Herlev Gentofte Hospital, Denmark to centralize the storage and handling of medications not part of the standard assortment (i.e. atypical medication). The project aimed to: (1) improve the efficiency of medication management; (2) reduce medication waste; (3) streamline workflows associated with the use of atypical medicines. To enhance the accuracy and efficiency of inventory control, the ScanPill technology was developed as a tool for digital tracking and updating of medication stock.



ScanPill (touchscreen w/ scanner)



Why was it done?

Atypical medications are often stored across various departments with low turnover → (1) potential waste and (2) time-consuming retrieval processes.

Centralizing these medications in an AMR and using ScanPill → (1) reduce waste due to expiry; (2) improve stock management and (3) simplify medication retrieval for healthcare professionals



How was it done?

- **Centralized Storage:** Non-standard medications from multiple departments were consolidated into the AMR
- **Digital Tracking (ScanPill):** QR and barcode scanning were implemented to facilitate precise stock level monitoring.
- **Staff Training:** Healthcare professionals were trained to efficiently retrieve, return, and document medications.
- **Continuous Monitoring:** Regular inventory checks ensured accurate stock management.



What was achieved?

- 1) **Reduced Medication Waste:** Centralized storage minimized duplicate stock and expiry-related waste.
- 2) **Improved Efficiency:** Faster medication retrieval reduced healthcare professionals' workload.
- 3) **Enhanced Inventory Control:** The ScanPill system provided real-time stock updates, improving tracking accuracy.
- 4) **Positive Staff Feedback:** Users reported smoother workflows and greater confidence in medication availability.



What is next?

The AMR model, combined with ScanPill technology, has significantly improved the handling of atypical medications. This has resulted in measurable reductions in medication waste, improved stock management, and enhanced workflow efficiency. The implementation demonstrates the value of centralized storage and digital tracking in hospital pharmacy management.

Future efforts will focus on evaluating economic impacts, refining ScanPill, expanding training programs, and exploring the model's implementation in other hospital departments. Continuous monitoring will be key to sustaining optimal performance.