

Introduction



Barcode scanning for medication administration

in our Outpatient Day Therapy Clinic increases patients' safety. Literature review supports that BMV at point of administration reduce medication errors and potential harm to patients^{1,2}.

Materials and methods



Barcode on prescription medicines as per TGA guideline¹.

Barcode added by pharmacy to chemotherapy treatments dispensed.

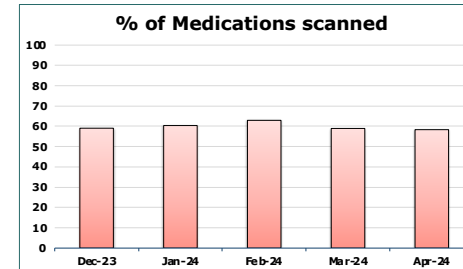
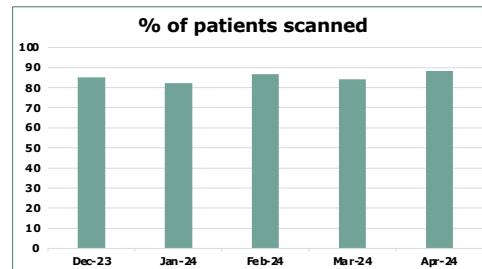
Patients ID on wristbands with barcode.

Literature cited

1. Bainbridge M, Askew D. Barcoding and other scanning technologies to improve medication safety in hospitals. Sydney: ACSQHC; 2017
2. Gates PJ, Raban MZ, Westbrook JL. Closed-loop medication management systems. Evidence Briefings on Interventions to Improve Medication Safety. Sydney: ACSQHC; 2021

Results

GO Live took place on 6th November 2023. Data were collected and analysed for the period from December 2023 to April 2024. The results indicated that **85% patients** are scanned with very small monthly variations. In terms of medications, **60% of medications** are scanned again with very small monthly variations.



Survey results from end-users

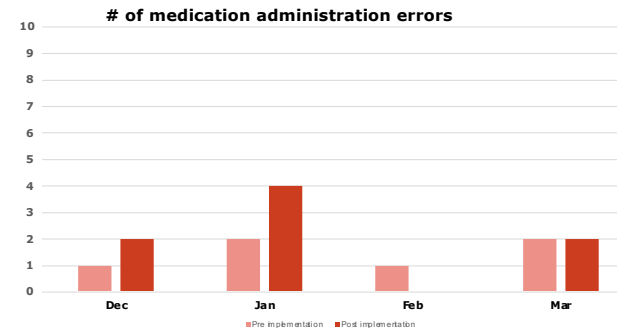
- Does BMV **add a safety** level to the 6 rights of medication administration?
YES: 91%
- Has the use of BMV created an **issue** for you?
Add time to medication administration: 67%
- Would you recommend to **expand the use of BMV** to the entire hospital?
YES: 92%
- Are there scenarios where you **override** the scanning?
Mostly when medications do not scan: 75%

Medication administration errors

Riskman incident reports period:

- Dec 22 to Mar 23 (pre BMV)
- Dec 23 to Mar 24 (post BMV)

No decline in medication administration errors. This is due to **errors not being linked to BMV.**



Conclusions

Nurses find BMV to **add a level of safety** to medication administration, even though it was reported to add some time to the process.

The small amount of medication administration errors have not declined as they were **not related to the use of BMV.**

The most important aspect of the implementation are:

- to ensure that all **medications and chemotherapy treatments are able to be scanned**
- to provide **training to all nurses** and allow for them to practice in a test environment prior to GO LIVE

Further information

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