Advanced Medicines Management Medication Errors & the Role of Bar-Code Scanning

GS1 Global Healthcare Conference 2019

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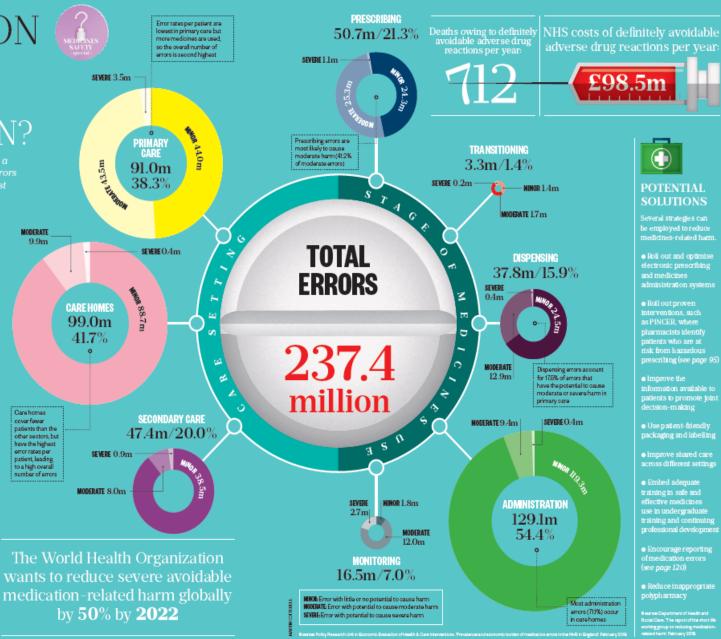
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clear understanding of where and when errors estimates in England per year.

TYPES OF ERROR



POTENTIAL

be employed to reduce medicines-related harm.

- Roll out and optimise electronic prescribing and medicines administration systems
- prescribing (see page 95)

- effective medicines use in undergraduate training and continuing professional development
- Encourage reporting of medication errors (see page 120)

Overworked pharmacist's error led to death of grandmother who died from the 'wrong pills'



Mr White claimed to have carried out the required checks under the pharmacy standard operation procedures.

RESEARCH & EVALUATION

The Adoption of Barcode Scanning Technology in an Acute NHS Hospital Pharmacy

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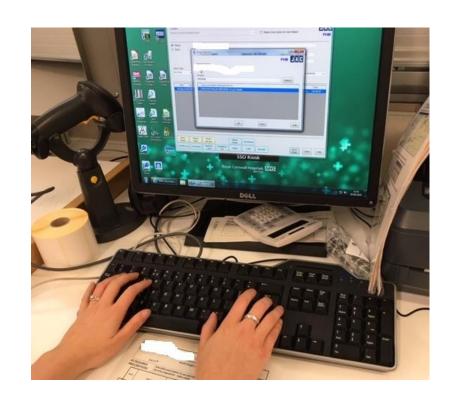


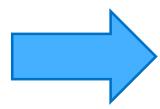
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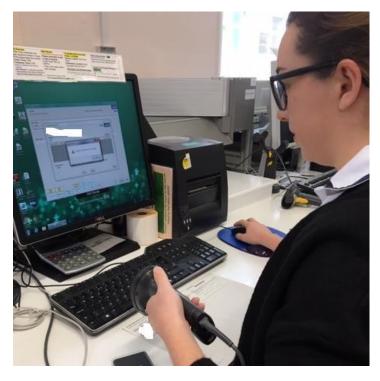
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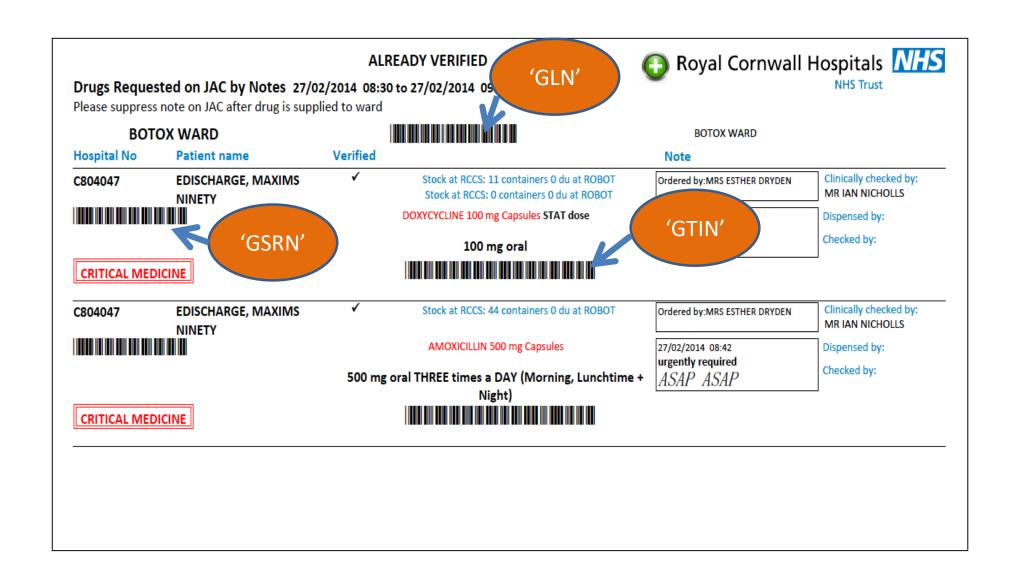
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Barcode Enabled Dispensing



RESULTS

Safer Dispensing (P<0.001) Prevented Error Rates Reduction

	Error type	Dispensing Error Monitoring Period 1 (barcode non mandatory)		Dispensing Error Monitoring Period 2 (barcode mandatory)	
		Prevented		Prevented	-
		Incidents	Rate (%)	Incidents	Rate (%)
Bar-code	Administrative	4	0.11	2	0.04
Insensitive Errors	Label directions	13	0.35	7	0.15
Total Bar-code Insensitive Errors		17	0.46	9	0.19
	Wrong patient	1	0.03	0	
	Drug strength	5	0.13	0	
Barcode Sensitive	Drug form	3	0.08	0	
Errors	Drug name	2	0.05	0	
	Cost centre	1	0.03	0	
Total Bar-code Sensitive Errors		12	0.32	0	
Total Number of prevented Errors		29		9	
Number of non-stock items dispensed		3736		4667	
Prevented Error Rate (%)		0.78		0.19 (P <0.001)	

Results

76%Reduction in Prevented Error Rates (p<0.001)

7%
Faster than
Manual
Process
(p=0.015)

97%
Users agree it reduces the likelihood of medication

67%
Want to use the bar-code enabled system









Next Steps

Integration of GS1 into other Steps in the Dispensing Process

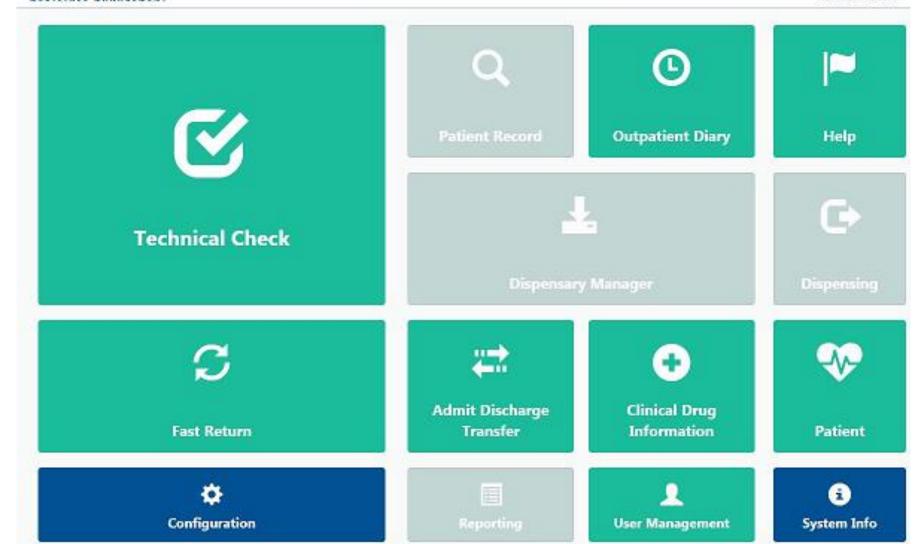
&

Barcode Medicines Administration



Cornwall LIVE

DB-JAC2019:LIVE



1

Co-Codamol Tablets

60 tablets

ONE tablet to be taken FOUR times a day, when required for pain



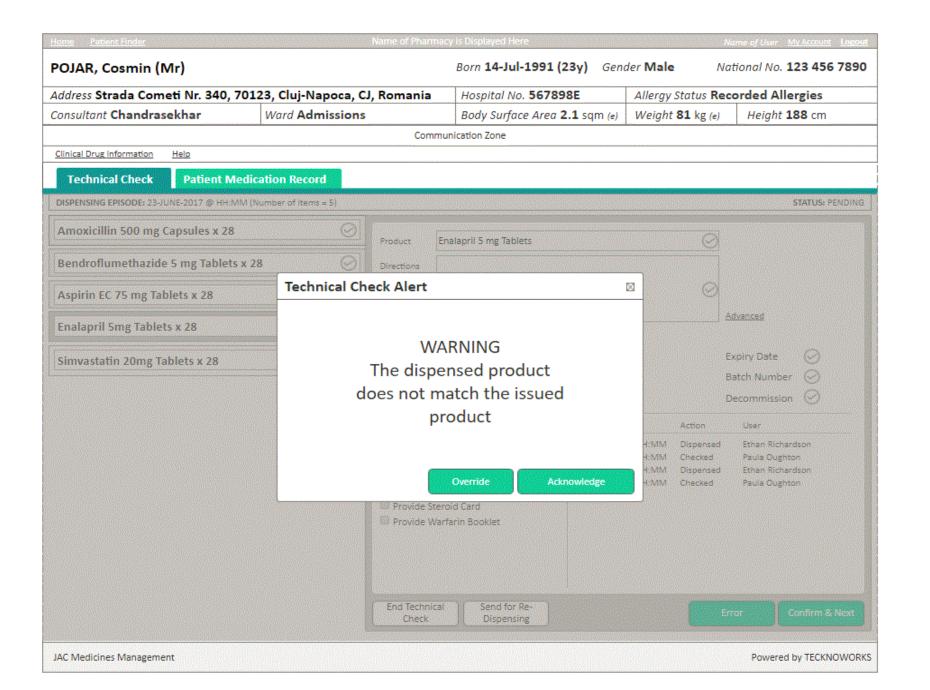
Mr. Alex Krasnov

16-FEB-2018

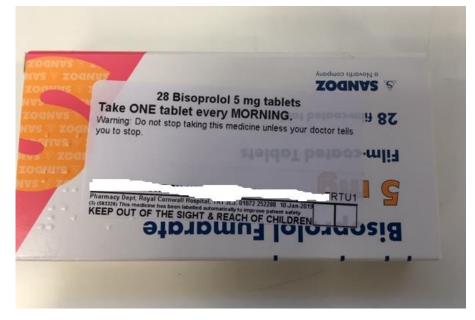
Lviv Hospital Pharmacy, Lviv Hospital, LVIV, LV Oblast

KEEP OUT OF REACH OF CHILDREN





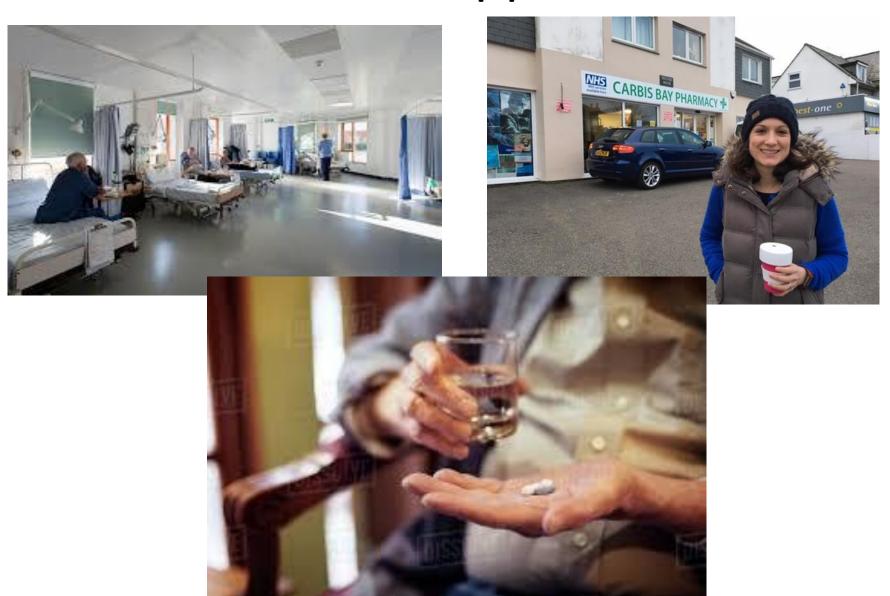




Closed Loop Supply



Broader Application



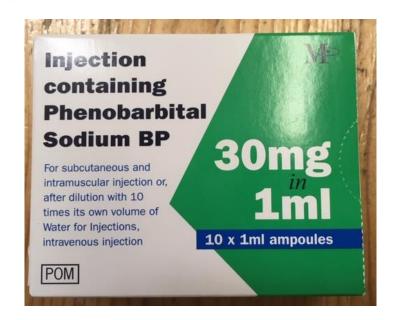
Barcode Medicines Administration



Manufacturers Take Note!







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Scan4Safety







Setting standards to make sure we always have the right patient and know what product was used with which patient, when.



Right Product

Setting standards to make sure our staff have what they need, when they need it.



Right Place

Setting standards to make sure that patients and products are in the right place.



Right Process

Setting standards and implementing common ways of working to deliver better and more easily repeatable patient care.



Improve Efficiency

Improve Patient Safety

Release Time to Care



Thank You For Listening

