



# ServeRx Medicines Management Automation

Clinically led, UK proven ward-based automation that improves patient safety and process efficiency - *safely, simply, effectively*

### Medication and supplies cabinets

Controlled by the ServeRx Core System, individual cabinets can combine a combination of standard draws, high-capacity draws and large item modules while maintaining a highly economical footprint area.

### SmartCarts

The laptop-driven carts allow secure and accountable access to medicines and supplies. In addition, they can support multiple applications, wireless connectivity and peripherals; making them ideal for clinical use.



MEDICINES MANAGEMENT

[www.jac-pharmacy.co.uk](http://www.jac-pharmacy.co.uk)



[www.mdgmedical.com](http://www.mdgmedical.com)

The ServeRx automation solution from MDG Medical is available in Europe via the following distributors:

**UK:**  
JAC Medicines Management

**Netherlands & Germany:**  
4C Care

For information about other territories contact John at [johnb@mdgmedical.com](mailto:johnb@mdgmedical.com).

# Tackling medicines administration errors with ward-based automation

The ServeRx solution has demonstrated clinical benefit in the UK and reduces medication errors - *safely, simply, effectively*

## How much of a problem are administration errors?

A review of 4031 patient records found an incidence of 6.5% actual and 5.5% potential errors.

**34% of all errors found occurred during the administration process.**

*Ref: Incidence of Adverse Drug Events & Potential Adverse Drug Events @ Bates et al JAMA*



*Administration errors can be as simple as not being able to find the right drug*

## ServeRx was evaluated at Imperial College NHS Foundation Trust:

- Identification of patients at point of drug administration increased from 17% - 81%.
- Oral administration errors reduced by 40%.
- Both wrong-drug, wrong-patient errors during administrations and extra doses errors were eliminated.

*Ref: Imperial College NHS Foundation Trust. BMJ - Barber, Cornford & Klecun.*



## Patient safety issues in the UK

Approximately 850,000 patients suffer an adverse event in UK hospitals.

There is, on average, a 5% error rate in drug administration.

1 in 1,000 potentially fatal.

Medication errors account for approximately 20% of all iatrogenic disease in the UK.

## Can you afford to wait?

Medical error costs the NHS £500 million p.a.

Additional treatment costs are approximately £2billion.

20% of negligence litigation involves medication error.

Medication errors are largely preventable.

*Ref: Organisation with a Memory, DoH, 2000*



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