Use of BD Cato® software at SGUH Aseptic unit

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November 2026

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NHS
St George's, Epsom and St Helier
University Hospitals and Health Group

Introduction

- BD CATO® is a novel, paperless, barcoded, volumetric / gravimetric system for the preparation and labelling of cytotoxic and CIVAS doses.
- Electronic replacing the requirement for paper worksheets in the clean room
- Automatically prints product labels at the end of product preparation, eliminating the requirement to manually print labels

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Unique features of BD Cato® software

- Novel
- Paperless
- Barcode enabled technology
- Supports both Volumetric and Gravimetric workflows
- Maintains an audit trail of the preparation process
- Supports data Integrity
- Data retention / archiving

Pre- Installation challenges

- Availability of IT resource. Software required new server builds for both Test and Live environments.
- Configuration of hardware accessories – Balances, Cameras, Scanners
- Lack of widespread use within the NHS
- Trust IG approvals as personal identifiable data is processed via the HL7 interface
- Purchase of Bespoke isolators fitted with flat screen monitors, cameras and scanners
- Other accessories including clean room CPUs, Label printers, barcode printers, hand-held scanners, workstation computers, balances
- Capacity within pharmacy technical services – time & personnel
- Training
- Supplier support – BD Cato
- Obtaining Gravimetric data ie density, additive mass etc from manufacturers

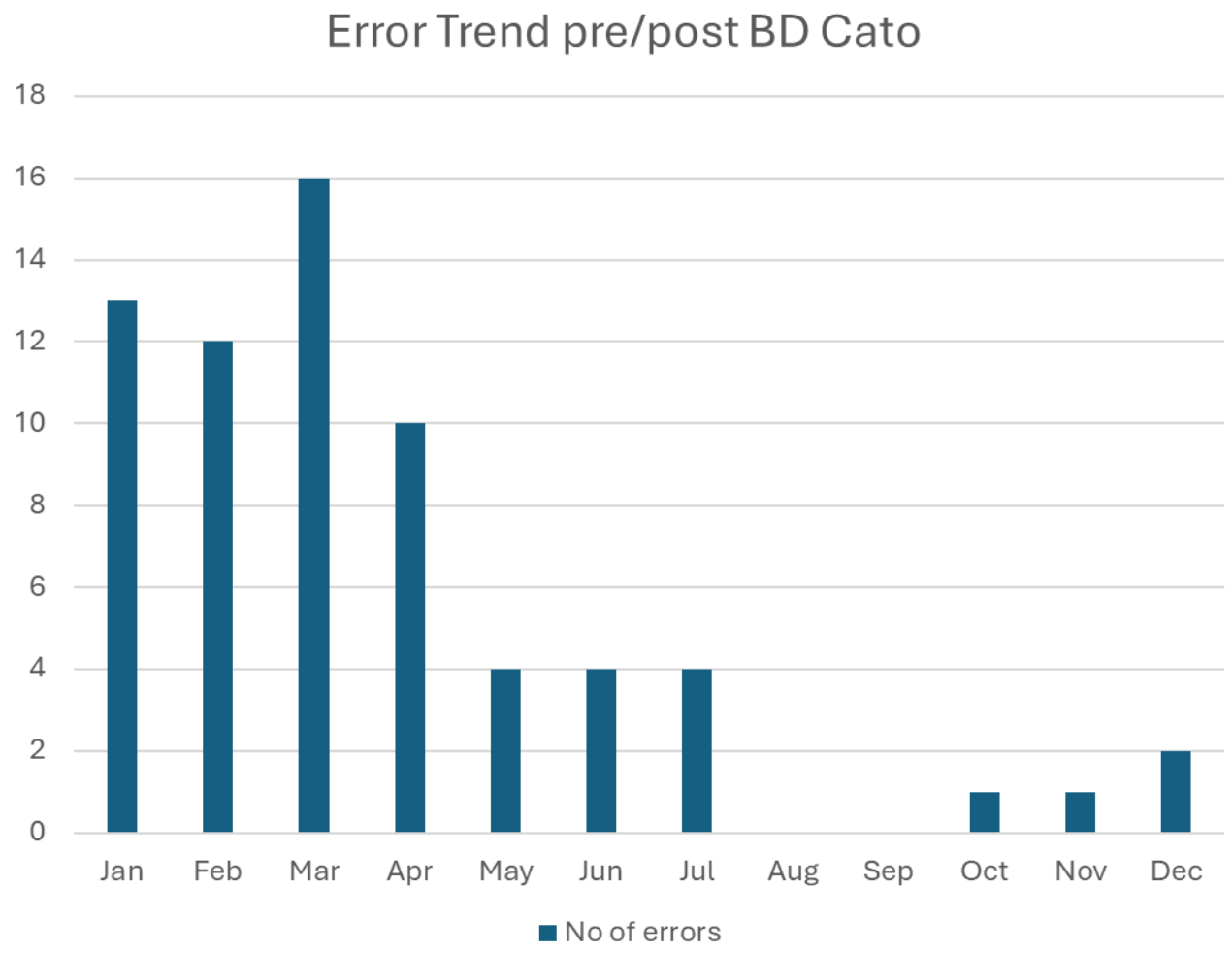
Post Implementation challenges

- Compatibility of software with Trust’s new operating system.
- Version updates require requalification.
- Communication from BD Cato on new version updates
- Training with staff changes
- Availability of IT support

Impact of BD Cato Software

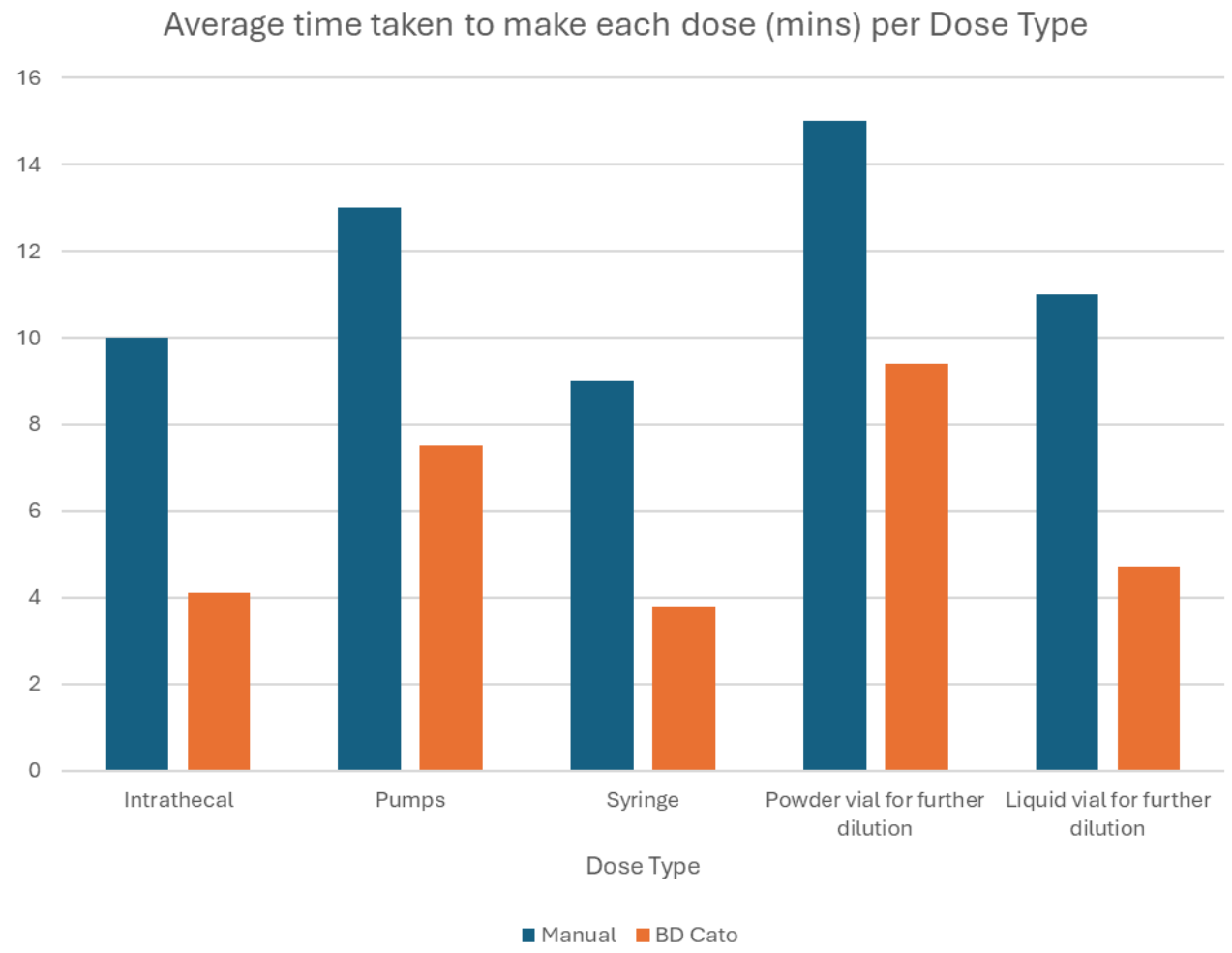
- Reduction / Elimination of errors

- Errors pre implementation of BD Cato were; Misspelling of patients' name, Drug name, Wrong route of administration, wrong expiry, wrong diluent and volume etc
- Error post implementation; Raw material batch number different from BD Cato allotted batch number



Impact of BD Cato software

- Improved efficiency - Improvement in product turnaround times from prescription input to final product release.
- Medication Safety- Gravimetric method far more accurate method of dose preparation over volumetric
- Cost efficiency- Paperless system
- Capacity- Enhancement in available capacity following reduction in product turnaround times



Other Benefits using the BD Cato® software System

- Inventory Management – *Lot management has helped to reduce waste*
- Reduction in risk of microbial ingress into clean rooms – *Following elimination of paper*
- Data Integrity – *BD Cato maintains an audit trail of any entries made to patient records. Raw material entries once used to prepare patient doses cannot be deleted or altered.*
- Audit trail – *The camera automatically takes pictures of each step of the compounding process which can be used for remote verification and documentation. The photos alongside other records are archived.*
- Data retention / archiving – *Patient therapy data cannot be deleted and is held on the system forever.*

Learning from Implementing BD Cato®

- The Implementation was impacted by Covid
- Trust IT must be involved when making a business case for any future software purchase as IT resource is critical
- The absence of a network of users within the NHS was a challenge. We had to initiate one with the lone NHS Trust using a limited feature of the software and a private hospital, to be able to exchange data and share learning.
- Manufacturers had to be approached directly to provide gravimetric data, and even at that some were not forthcoming, referring you instead to what was available on the SPC.

Questions

Thank you.

For any other information, please see:



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