BD Cato™ medication workflow solutions
Elevating the standard of IV compounding
The current state of IV compounding

Today’s hospital pharmacy personnel face multiple interconnected challenges:

- Improving medication safety and quality of care
- Streamlining operations to reduce cost
- Optimizing inventory to reduce drug waste
- Advancing pharmacy practices to meet regulatory demands

Evidence suggests an urgent need for improvement in IV compounding workflow.¹

Hospital IV compounding errors

91% correct

9% error

- Wrong drug 7%
- Wrong dose 69%
- Wrong fluid 16%
- Omission 3%
- Wrong technique 5%

Percent difference from prescribed chemotherapy dose

For the traditional visual-based IV compounding method, significant dose variations in chemotherapy have been documented:²

- Dose variations ranging from −64.9% to 94.2% were recorded.
- Nearly 13% of preparations failed to meet the 10% acceptance tolerance threshold.
It is time for a new standard

**BD Cato™ medication workflow solutions: where safety meets efficiency**

BD Cato solutions feature a software system developed to advance the process of IV compounding. With its *real-time gravimetric and barcode verification*—in tandem with a step-by-step guidance system—BD Cato software is designed to **minimize errors while improving efficiency**. It is the ideal long-term IV compounding solution for your workflow.
“BD Cato software prevented an error that could have easily slipped through the cracks. Had BD Cato software not been in place, it would have been extremely easy to miss the odd concentration yielding a dose two times above the ordered dose.”

Nathan Barnes, PharmD, Lead Pharmacist, UNC Healthcare
"The system dramatically increased the error detection rate for an oncology center. Before BD Cato software was in place there, the staff detected an estimated 0.01% of drug preparation errors, and the number skyrocketed to 7% with the new system."³

Darryl Rich, PharmD, MBA, FASHP

**Medication safety**

- Step-by-step on-screen instructions and dosage checks by an electronic scale guarantee maximum precision during preparation.
- Uses real-time gravimetric verification and hardstops that alert the pharmacy technician of potential errors.
- Features barcode technology to detect dosing errors related to the incorrect selection of a drug, diluent and final container.
- Automatically calculates the drug and diluent quantities needed to compound prescribed admixtures.
- Provides an immediate notification of errors and steps to correct mistakes.
- Verifies that doses are prepared within institutional tolerances.
- Suppresses the final label print until all steps are completed accurately.
- Allows the pharmacist to view the final label and validate that the admixture was prepared correctly.

Hundreds of hospitals worldwide currently rely on BD Cato medication workflow solutions for safe IV compounding, and more than 15 million gravimetric doses have been compounded globally to date.
BD Cato solutions are designed to minimize errors while improving efficiency

Workflow efficiency
- Streamlined and efficient workflow saves precious working time.
- Standardizes IV compounding processes through a structured, uniform protocol.
- Helps reduce the number of manual quality control (QC) checks that may be required during the preparation process.
- Automatically captures digital data on preparation times and drug waste to help pharmacists identify and analyze areas needing improvement.
- Image capture and remote verification allows the pharmacist the flexibility to verify preparations from outside the pharmacy clean room.

Inventory optimization
- Helps track and manage your inventory—including partially used vials—to minimize waste.
- Determines and recommends the best vial sizes for preparation before your staff enters the clean room.
- Helps reduce expensive drug waste during the IV compounding process by minimizing workflow errors and rework.
- Provides lot tracking for all drugs, diluents and vehicle bags.
- Detailed reports on consumption and costs support the pharmacy in purchasing decisions.

Documentation, analytics and compliance
- Maintains a database of all prepared medications and features a barcode-based tracking system for easy access.
- Stores key preparation details, including the actual dose used, preparer’s name and products used, as well as each product NDC number, lot number and expiration date.
- Automated documentation of all production steps enables compliance.
- A full audit trail is provided for accessible review and record-keeping purposes.
- Lot tracking enables full visibility of drug inventory.

Interoperability
- Seamlessly integrates with your existing hospital IT infrastructure using an HL7 interface.
- Unique CCE platform allows you to access healthcare information across many BD technologies.
Implementation and support

- A customized implementation plan based on the unique needs, HIS, and project goals of each facility will be provided.
- Unique, highly hands-on approach.
- Consultative—robust implementation process led by consultants with years of experience in both the IT and pharmacy spaces.
- Team of experts in IV workflow automation.
- 24/7 post implementation support.

BD Cato implementation

Consulting
- Pharmacy
- Implementation
- Workflow assessment
- Workflow design services
- Project management
- Solutions design

Training
- System administration training
- Support validation
- User acceptance testing
- Super-user training
- Onsite go-live support

Technical support
- BD Cato starter database
- Interface development
- Label configuration
- Remote support
- Testing environment build
- Drug database build
References

Backed by BD, a company dedicated for over a century to advancing the world of health

Ready to elevate your pharmacy’s standards?
Call 800.727.6102, email BDCatoUS@bd.com or visit bd.com/cato to see BD Cato medication workflow solutions in action.